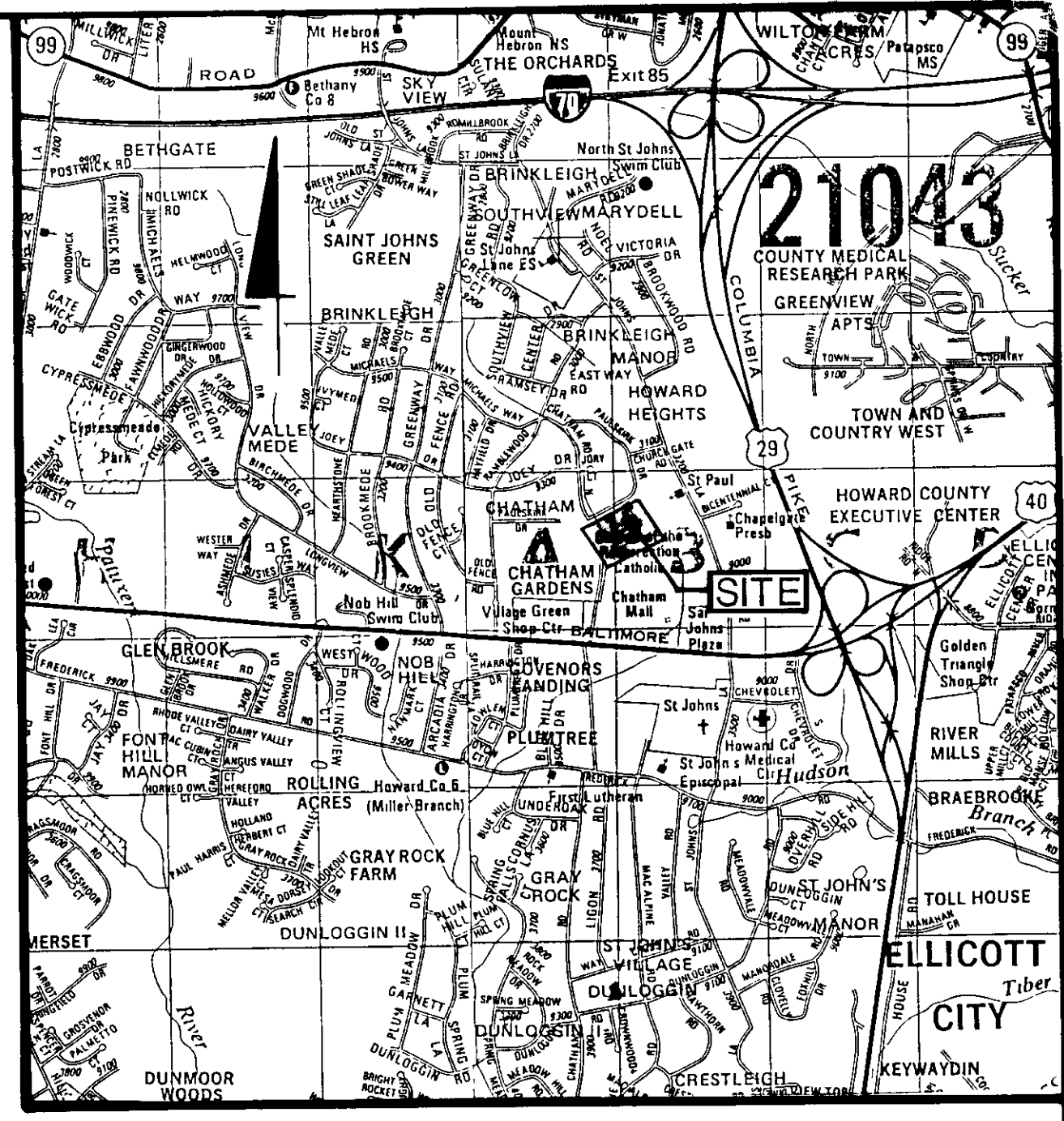


- GENERAL NOTES
- A. PRIOR TO THE START OF ANY OPERATIONS, THE CONTRACTOR SHALL STAKE OUT THE BASELINES OF CONSTRUCTION, PROPOSED BUILDING AND VERIFY SETBACKS AND OFFSET DIMENSIONS.
 - B. THE CONTRACTOR SHALL NOTIFY "MISS UTILITY" AT 1-800-257-7777 AT LEAST 72 HOURS PRIOR TO STARTING EXCAVATION TO VERIFY ALL LOCATIONS OF EXISTING UTILITIES.
 - C. ADJUTING PROPERTIES TO BE PROTECTED FROM DAMAGE. REPAIRS ARE AN OBLIGATION OF THE CONTRACTOR. ACCESS TO AREAS OUTSIDE THE LIMIT OF CONTRACT WITHIN THE PROPERTY LINE IS PROHIBITED. THE CONTRACTOR SHALL BE LIABLE FOR ANY DAMAGE TO EXISTING VEGETATION AND ANY VIOLATIONS OF THE PROTECTED AREAS.
 - D. ALL CONSTRUCTION SHALL BE ACCOMPLISHED IN ACCORDANCE WITH LATEST HOWARD COUNTY, DPW STANDARDS. SPECIFICATIONS AND REQUIREMENTS.
 - E. THE INFORMATION SHOWN ON THESE PLANS IS FOR THE CONVENIENCE OF THOSE CONCERNED ONLY. THE CORRECTNESS OR COMPLETENESS OF THE INFORMATION SHOWN IS NOT WARRANTED OR GUARANTEED. THE CONTRACTOR SHALL VERIFY ALL INFORMATION TO HIS OWN SATISFACTION.
 - F. THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. HE AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.
 - G. ALL DISTURBED AREAS NOT STABILIZED WITH PAVING, BUILDING, SODDING OR MULCH IN PLANTING AREAS SHALL BE SEEDED AND MULCHED IN ACCORDANCE WITH THE SPECIFICATIONS AND SEDIMENT CONTROL PLAN, PRIOR TO CONTRACT COMPLETION.
 - H. CONTRACTOR SHALL PROVIDE POSITIVE DRAINAGE AT ALL TIMES.
 - I. TOPO SURVEY DONE BY FISHER COLLINS & CARTER DATED MAY 6, 1988.
 - J. USE TOP ELEVATION OF EXISTING SANITARY MANHOLE AS BENCH MARK.



VICINITY MAP
SCALE: 1"=200'

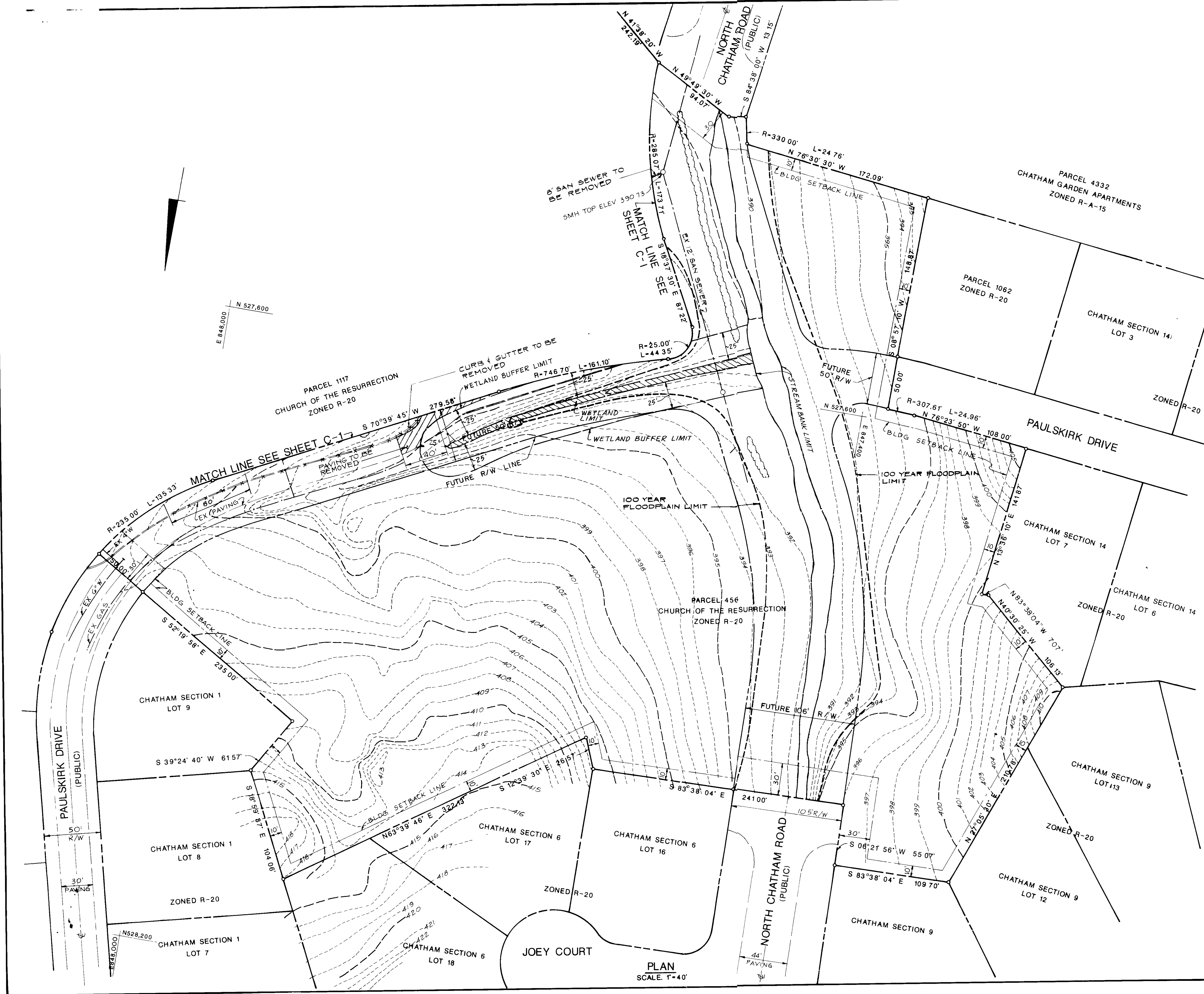
- NOTES
- 1. SCHOOL ADDITION - TO INCREASE KINDERGARTEN PUPIL TO 40 PUPILS
 - 2. CHAPEL / OFFICE - TO ACCOMMODATE THE INCREASE IN RELIGIOUS ACTIVITIES

6/7/91		GENERAL REVISIONS (WBCM)	
DATE:	NO	REVISION	
ADDRESS CHART			
LOT NUMBER	3175 PAULSKIRK DR		
SUBDIVISION NAME	CHURCH OF THE RESURRECTION	SECT/AREA	LOT 1 P 1117
PLAY #	3476	BLOCK#	5
ZONE	R-20	TAX/ZONE MAP	24
ELEC. DIST	2 ND	CENSUS TR.	6022
WATER CODE	FOG	SEWER CODE	1404800
APPROVED FOR PUBLIC WATER AND SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS			
DIRECTOR		11/22/89	
CHIEF, BUREAU OF ENGINEERING		11/22/89	
APPROVED FOR PUBLIC WATER AND PUBLIC SEWER SYSTEMS HOWARD COUNTY HEALTH DEPARTMENT			
COUNTY HEALTH OFFICER		11/29/89	
APPROVED, HOWARD COUNTY DEPT. OF PLANNING AND ZONING			
DIRECTOR		12/6/89	
CHIEF, DIVISION OF COMMUNITY PLANNING AND DEVELOPMENT		12/6/89	
OWNER: CHURCH OF THE RESURRECTION PAULSKIRK DRIVE & NORTH CHATHAM ROAD ELLCOTT CITY, MARYLAND 21043 TEL. (301) 461-9111			
PROJECT: SCHOOL AND CHAPEL / OFFICE BUILDING ADDITIONS			
CHURCH OF THE RESURRECTION DEMOLITION PLAN			
2ND ELECTION DISTRICT		HOWARD COUNTY, MD.	
TAX MAP NO. 24		PARCEL 456, 1117 & 980	
ENGINEERS: WHITNEY, BAILEY, COX & MAGNANI CONSULTING ENGINEERS 1850 YORK ROAD TIMONIUM, MD. 21093 (301) 252-6060			
DESIGNED: A R		DRAWN: G, G	
CHECKED: P D		DATE: 10/13/88	
SCALE: 1" = 40'		JOB NO. 085-097-71	
DRAWING NO: SHEET 1 OF 13		C-1	

LEGEND

EX CONTOUR LINE	----
NEW CONTOUR LINE	----
EX CURB & GUTTER	----
NEW CURB & GUTTER	----
TREE	+
LIGHT POLE	+
TREE LINE	----
STORM DRAIN	----
EX SEWER	----
EX WATER	----
TO BE REMOVED	----
SIDEWALK	----
PAVING	----
CURB & GUTTER	----
SEWER	----

PLAN
SCALE: 1"=40'

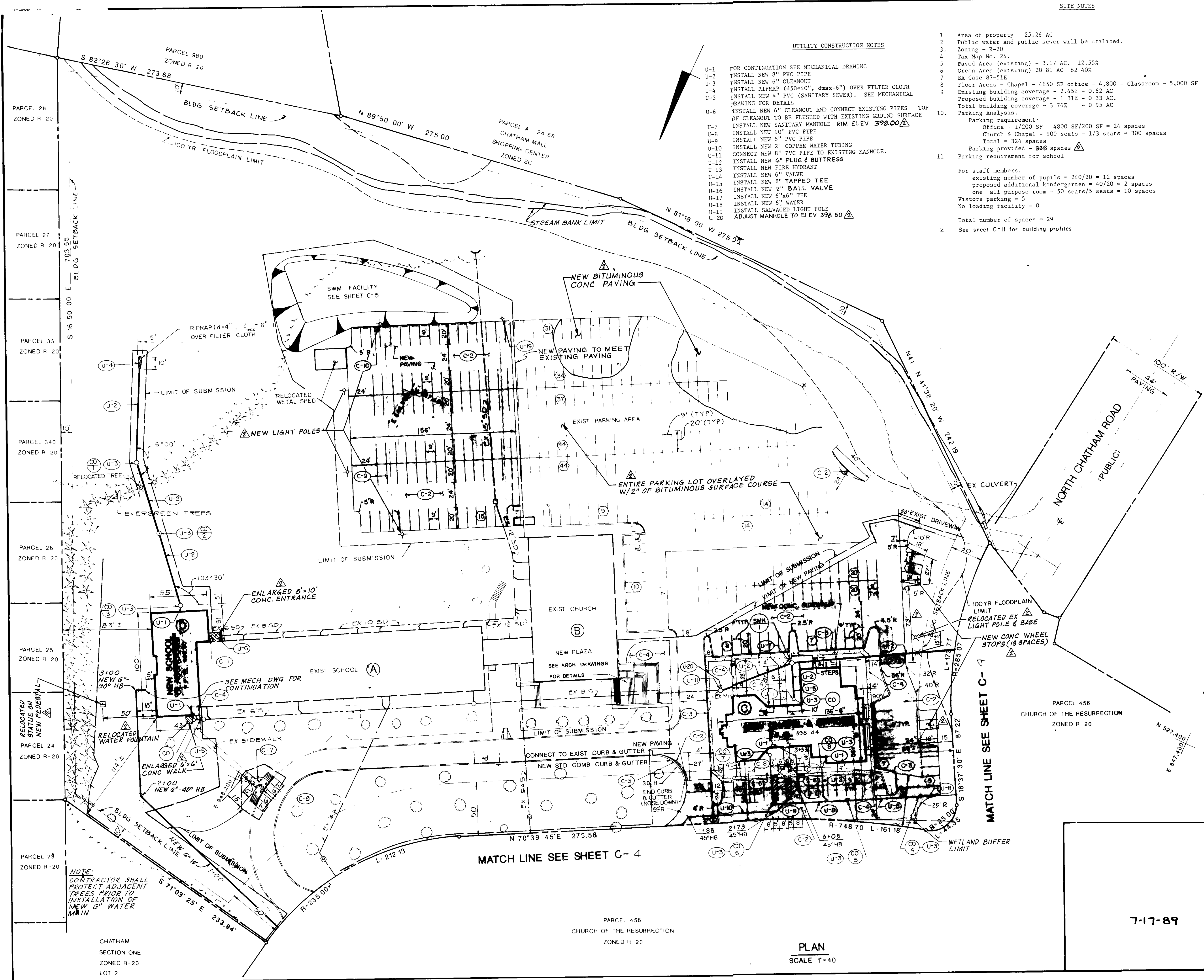


PLAN
SCALE: 1"=40'

7-17-89

DATE	NO	REVISION
11/22/89		APPROVED FOR PUBLIC WATER AND SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS DIRECTOR <i>[Signature]</i>
11/20/89		APPROVED FOR PUBLIC WATER AND PUBLIC SEWER SYSTEMS HOWARD COUNTY HEALTH DEPARTMENT COUNTY HEALTH OFFICER <i>[Signature]</i>
12/4/89		APPROVED HOWARD COUNTY DEPT. OF PLANNING AND ZONING DIRECTOR <i>[Signature]</i>
12/4/89		CHIEF, DIVISION OF COMMUNITY PLANNING AND DEVELOPMENT <i>[Signature]</i>
OWNER: CHURCH OF THE RESURRECTION PAULSKIRK DRIVE & NORTH CHATHAM ROAD ELLICOTT CITY, MARYLAND 21043 TEL. (301) 461-9111		
PROJECT: SCHOOL AND CHAPEL / OFFICE BUILDING ADDITIONS CHURCH OF THE RESURRECTION DEMOLITION PLAN		
2ND ELECTION DISTRICT TAX MAP NO. 24 ENGINEERS: WHITNEY, BAILEY, COX & MAGNANI 1850 YORK ROAD TIMONIUM, MD. 21093 (301) 252-6060		
DESIGNED: A R		
DRAWN: G G.		
CHECKED: P D.		
DATE: 10/13/88		
SCALE: 1"=40' JOB NO. 085-097-71		
DRAWING NO: SHEET 2 OF 13 C-2		

5DP-89-76



UTILITY CONSTRUCTION NOTES

- U-1 FOR CONTINUATION SEE MECHANICAL DRAWING
- U-2 INSTALL NEW 3" PVC PIPE
- U-3 INSTALL NEW 6" CLEANOUT
- U-4 INSTALL RIPRAP (450x40") OVER FILTER CLOTH
- U-5 INSTALL NEW 4" PVC (SANITARY SEWER). SEE MECHANICAL DRAWING FOR DETAIL
- U-6 INSTALL NEW 6" CLEANOUT AND CONNECT EXISTING PIPES TOP OF CLEANOUT TO BE FLUSHED WITH EXISTING GROUND SURFACE
- U-7 INSTALL NEW SANITARY MANHOLE RIM ELEV 398.00
- U-8 INSTALL NEW 10" PVC PIPE
- U-9 INSTALL NEW 6" PVC PIPE
- U-10 INSTALL NEW 2" COPPER WATER TUBING
- U-11 CONNECT NEW 8" PVC PIPE TO EXISTING MANHOLE.
- U-12 INSTALL NEW 6" PLUG & BUTTRESS
- U-13 INSTALL NEW FIRE HYDRANT
- U-14 INSTALL NEW 6" VALVE
- U-15 INSTALL NEW 2" TAPPED TEE
- U-16 INSTALL NEW 2" BALL VALVE
- U-17 INSTALL NEW 6"x6" TEE
- U-18 INSTALL NEW 6" WATER
- U-19 INSTALL SALVAGED LIGHT POLE
- U-20 ADJUST MANHOLE TO ELEV 398.50

SITE NOTES

- 1 Area of property - 25.26 AC
- 2 Public water and public sewer will be utilized.
- 3 Zoning - R-20
- 4 Tax Map No. 24
- 5 Paved Area (existing) - 3.17 AC. 12.55%
- 6 Green Area (existing) 20.81 AC 82.40%
- 7 BA Case 87-51E
- 8 Floor Area - Chapel - 4650 SF office - 4,800 - Classroom - 5,000 SF
- 9 Existing building coverage - 2.45% - 0.62 AC
- 10 Proposed building coverage - 1.31% - 0.33 AC
- 11 Total building coverage - 3.76% - 0.95 AC
- 12 See sheet C-II for building profiles

SITE LAYOUT CONSTRUCTION NOTES

- C-1 INSTALL 4'x4' CONCRETE SIDEWALK SEE DETAIL
- C-2 INSTALL NEW BITUMINOUS PAVING
- C-3 INSTALL NEW CURB & GUTTER.
- C-4 INSTALL NEW CONCRETE SIDEWALK.
- C-5 INSTALL HANDICAPPED SIGN. SEE DETAIL.
- C-6 INSTALL NEW HANDICAPPED STRIPING. SEE DETAIL.
- C-7 INSTALL NEW HANDICAPPED RAMP
- C-8 INSTALL DEPRESSED CURB
- C-9 TYPICAL PARKING SPACE STRIPING. SEE HANDICAPPED STRIPING DETAIL.
- C-10 INSTALL WHEEL STOPS

6/7/91 GENERAL REVISIONS (WBCM)		
5/10/89 REVISED PER HOWARD CO COMMENTS		
DATE	NO.	REVISION
APPROVED FOR PUBLIC WATER AND SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS. HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS		
DIRECTOR		11/22/89
CHIEF, BUREAU OF ENGINEERING		
APPROVED FOR PUBLIC WATER AND PUBLIC SEWER SYSTEMS. HOWARD COUNTY HEALTH DEPARTMENT		
CHIEF, HEALTH OFFICE		11/29/89
APPROVED HOWARD COUNTY DEPT. OF PLANNING AND ZONING		
DIRECTOR		12/6/89
CHIEF, DIVISION OF COMMUNITY PLANNING AND DEVELOPMENT		12/6/89
OWNER: CHURCH OF THE RESURRECTION PAULSKIRK DRIVE & NORTH CHATHAM ROAD ELLCOTT CITY, MARYLAND 21043 TEL. (301) 461-9111		
PROJECT: SCHOOL & CHAPEL/OFFICE BUILDING ADDITIONS CHURCH OF THE RESURRECTION SITE PLAN & UTILITY PLAN		
2ND ELECTION DISTRICT TAX MAP NO. 24		HOWARD COUNTY, MD. PARCEL 456
ENGINEERS: WHITNEY, BAILEY, COX & MAGNANI CONSULTING ENGINEERS 1850 YORK ROAD TAMONUM, MD 21093 (301) 252-6060		
DESIGNED: A R		7-17-89
DRAWN: GSB		
CHECKED: P D		
DATE: 10/13/88		
SCALE: 1" = 40'		
DRAWING NO: SHEET 3 OF 13 C-3		

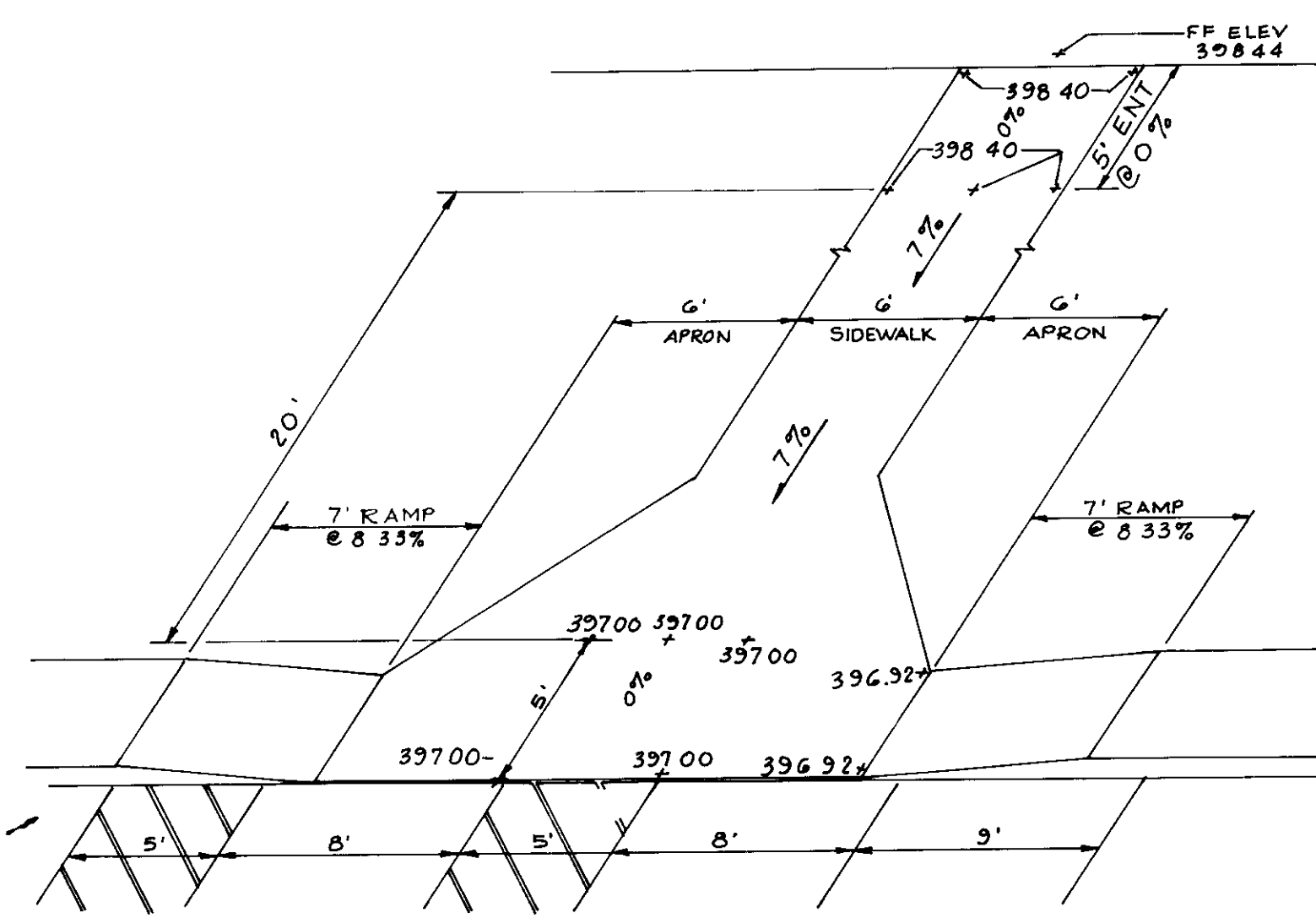
NOTE:
CONTRACTOR SHALL
PROTECT ADJACENT
TREES PRIOR TO
INSTALLATION OF
NEW 6" WATER
MAIN

CHATHAM
SECTION ONE
ZONED R-20
LOT 2

MATCH LINE SEE SHEET C-4

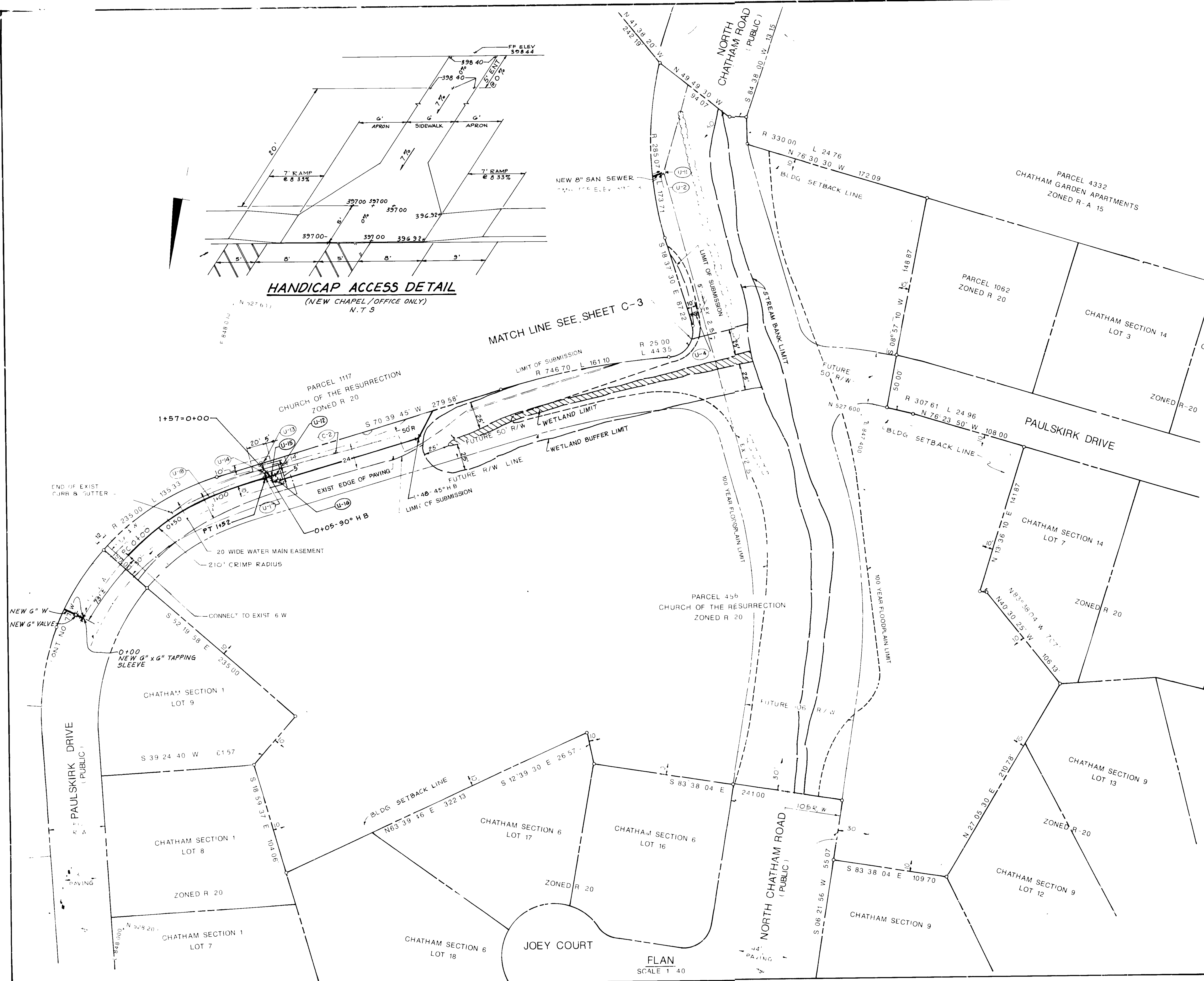
PLAN
SCALE 1" = 40'

SDP-89-76



HANDICAP ACCESS DETAIL
(NEW CHAPEL/OFFICE ONLY)
N.T.S.

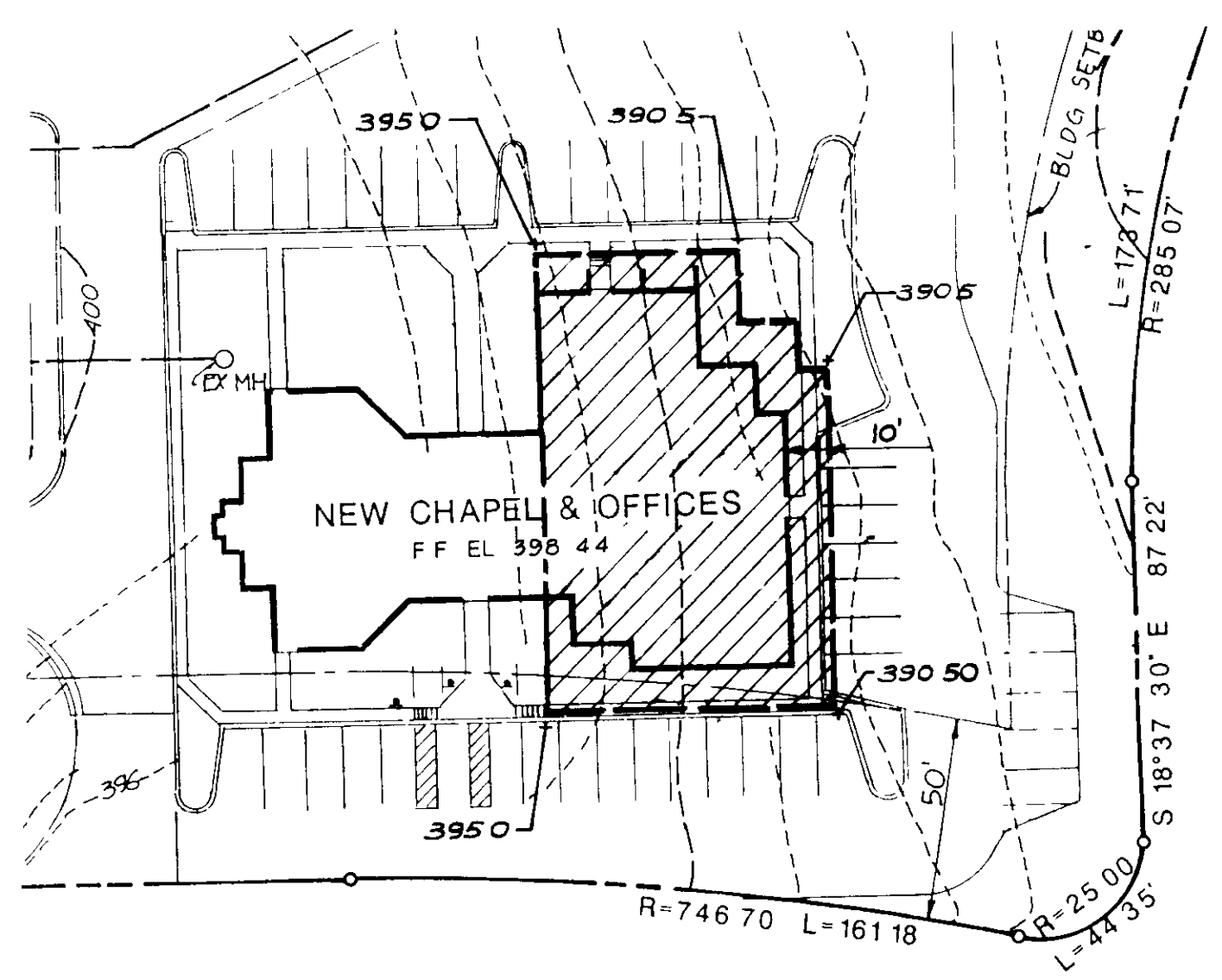
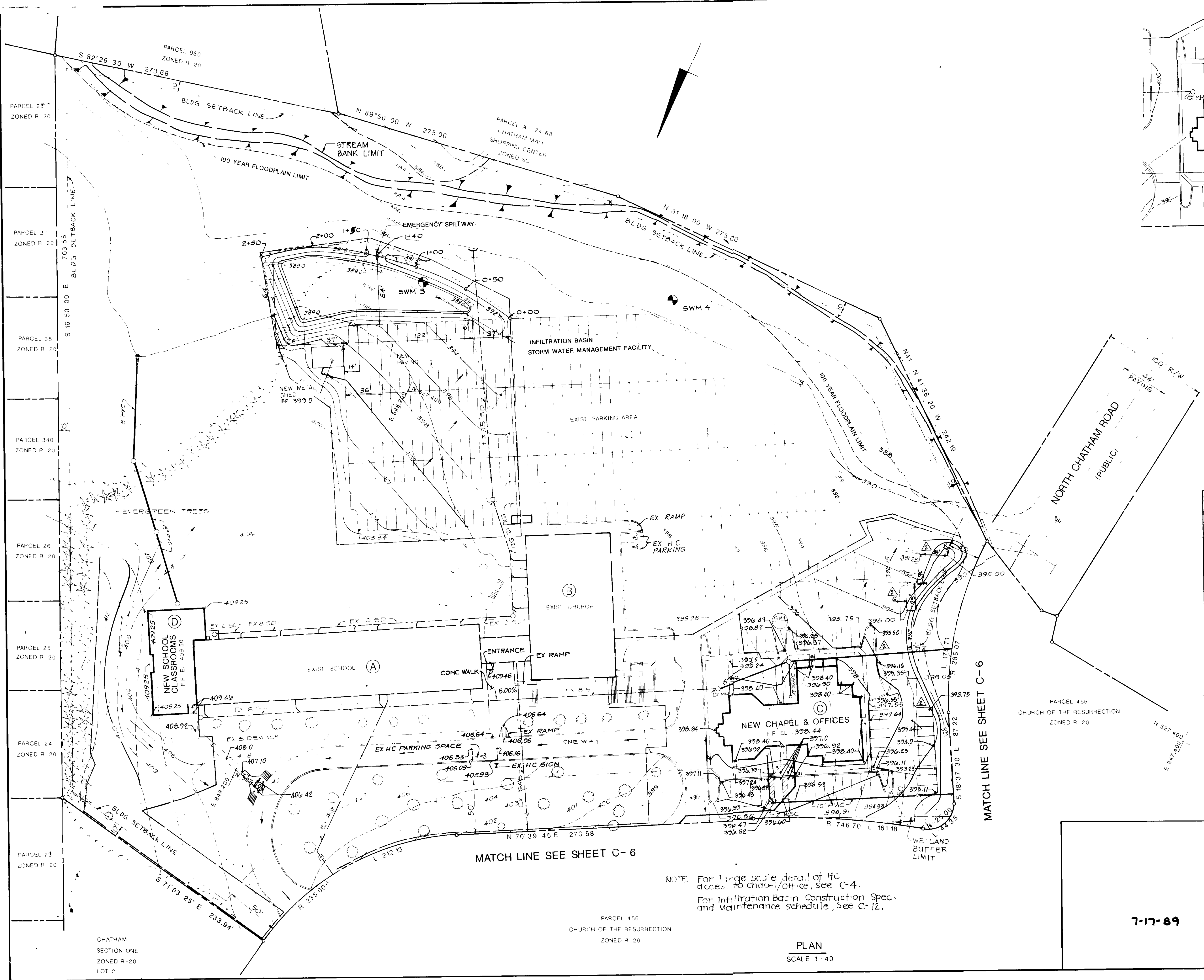
MATCH LINE SEE SHEET C-3



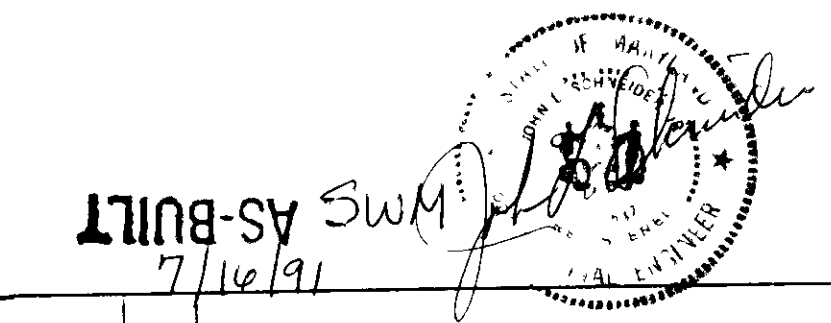
FLAN
SCALE 1"=40'

7-17-89

 11/22/89	
 11/22/89	
 11/22/89	
 12/6/89	
 12/6/89	
OWNER CHURCH OF THE RESURRECTION PAULSKIRK DRIVE & NORTH CHATHAM ROAD ELLICOTT CITY, MARYLAND 21043 TEL. (301) 461-9111	
PROJECT SCHOOL AND CHAPEL/OFFICE BUILDING ADDITIONS CHURCH OF THE RESURRECTION SITE PLAN & UTILITY PLAN	
2ND ELECTION DISTRICT HOWARD COUNTY, MD TAX MAP NO. 24 PARCEL 456, 1117 & 980	
ENGINEERS WHITNEY, BAILEY, COX & MAGNANI CONSULTING ENGINEERS 1850 YORK ROAD TIMONUM, MD 21093 (301) 252-6060	
 DATE 1/13/89	DESIGNED: A.R.
	DRAWN: GSB
	CHECKED: P.D.
	DATE: 10/13/88
	SCALE: 1"=40'
DRAWING NO. SHEET 4 OF 13 C-4	



UNDERCUT PLAN
SCALE 1"=40'



6/17/91		GENERAL REVISIONS (WBCM)	
5/10/89		REVISED PER HOCO COMMENTS	
DATE	NO	REVISION	
APPROVED FOR PUBLIC WATER AND SEWERAGE STORM DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS			
James M. Boyd		11/22/89	
APPROVED FOR PUBLIC WATER AND PUBLIC SEWER SYSTEMS HOWARD COUNTY HEALTH DEPARTMENT			
James M. Boyd		11/29/89	
APPROVED HOWARD COUNTY DEPT. OF PLANNING AND ZONING			
James M. Boyd		12/6/89	
OWNER CHURCH OF THE RESURRECTION PAULSKIRK DRIVE & NORTH CHATHAM ROAD ELLICOTT CITY, MARYLAND 21043 TEL. (301) 461-9111			
PROJECT SCHOOL & CHAPEL/OFFICE BUILDING ADDITIONS CHURCH OF THE RESURRECTION GRADING & INFILTRATION BASIN PLAN			
2ND ELECTION DISTRICT		HOWARD COUNTY, MD	
TAX MAP NO. 24		PARCEL 456, 1117 & 980	
ENGINEERS WHITNEY, BAILEY, COX & MAGNANI CONSULTING ENGINEERS 1850 YORK ROAD TIMONUM, MD 21093 (301) 252-6050			
Philip		DESIGNED. A R	
		DRAWN GSB	
		CHECKED P D	
		DATE 10/13/88	
		SCALE: 1" = 40'	
DRAWING NO		SHEET 5 OF 13 C-5	
DATE 7-17-89			

MATCH LINE SEE SHEET C-6

NOTE: For large scale detail of HC access to chapel/office, see C-4.
For infiltration basin construction spec. and maintenance schedule, see C-12.

PLAN
SCALE 1"=40'

CHATHAM
SECTION ONE
ZONED R-20
LOT 2

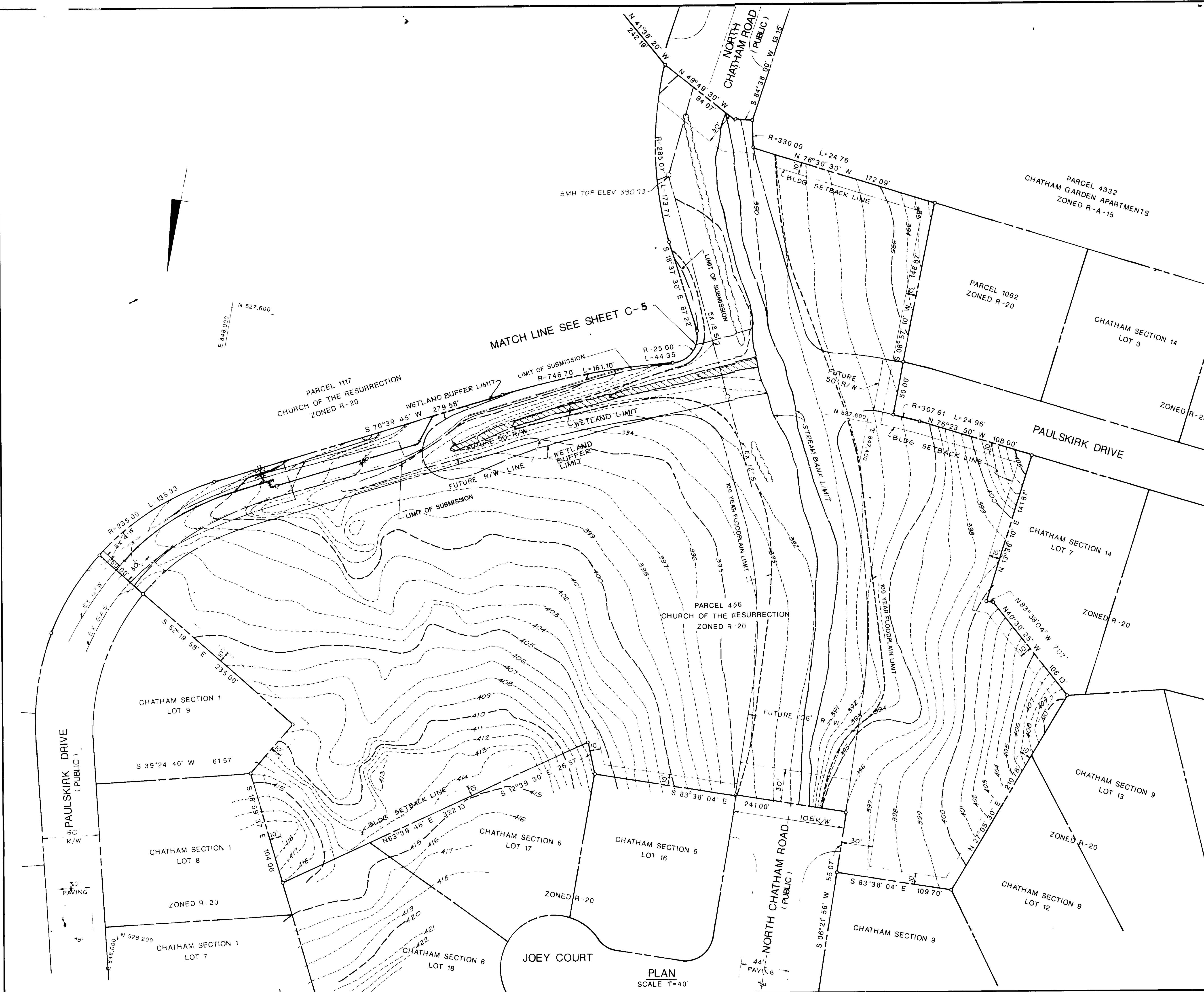
PARCEL 456
CHURCH OF THE RESURRECTION
ZONED R-20

MATCH LINE SEE SHEET C-6

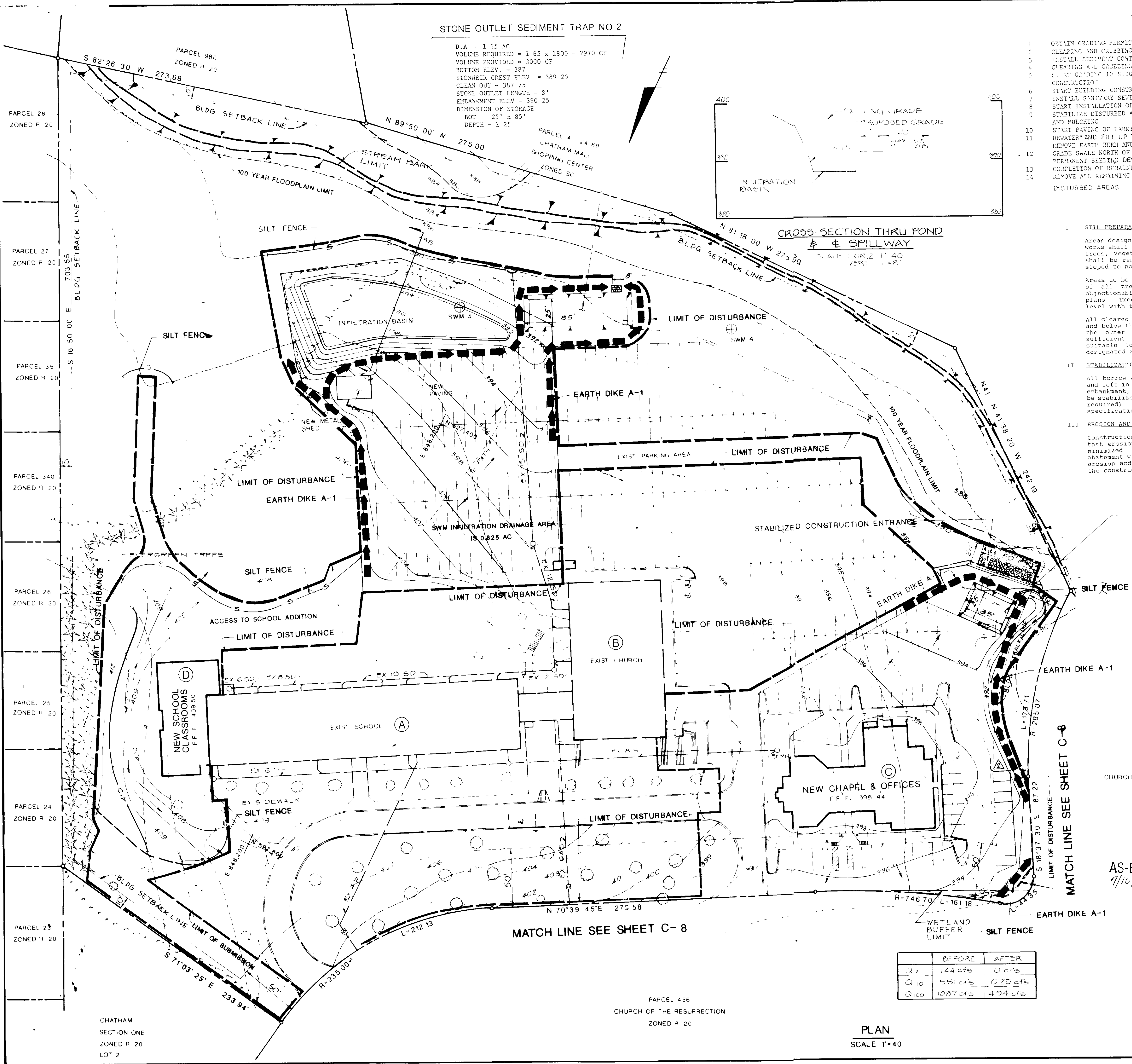
PARCEL 456
CHURCH OF THE RESURRECTION
ZONED R-20

7-17-89

SDP-89-76



APPROVED FOR PUBLIC WATER AND SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS		11/22/89 DATE
DIRECTOR		
APPROVED FOR PUBLIC WATER AND PUBLIC SEWER SYSTEMS HOWARD COUNTY HEALTH DEPARTMENT		11/22/89 DATE
CHIEF BUREAU OF ENGINEERING		
APPROVED FOR PUBLIC WATER AND PUBLIC SEWER SYSTEMS HOWARD COUNTY HEALTH DEPARTMENT		11/29/89 DATE
CHIEF HEALTH OFFICER		
APPROVED HOWARD COUNTY DEPT. OF PLANNING AND ZONING		12/6/89 DATE
DIRECTOR		
APPROVED DIVISION OF COMMUNITY PLANNING AND DEVELOPMENT		12/6/89 DATE
CHIEF		
OWNER CHURCH OF THE RESURRECTION PAULSKIRK DRIVE & NORTH CHATHAM ROAD ELLICOTT CITY, MARYLAND 21043 TEL. (301) 461-9111		
PROJECT SCHOOL AND CHAPEL/OFFICE BUILDING ADDITIONS CHURCH OF THE RESURRECTION GRADING PLAN		
2ND ELECTION DISTRICT HOWARD COUNTY, MD TAX MAP NO. 24 PARCEL 456, 1117 & 980		
ENGINEERS: WHITNEY, BAILEY, COX & MAGNANI CONSULTING ENGINEERS 1850 YORK ROAD TIMONIUM, MD 21093 (301) 252-6060		
DESIGNED: A R		
DRAWN: GSB		
CHECKED: P D		
DATE: 10/13/88		
SCALE: 1"=40'		
DRAWING NO: C-6		
DATE: 11/89		



SEQUENCE OF CONSTRUCTION

1. OBTAIN GRADING PERMITS
2. CLEARING AND GRUBBING FOR THE INSTALLATION OF SILT FENCE
3. INSTALL SEDIMENT CONTROL DEVICES
4. GRADING AND GRUBBING OF SITE
5. SET OUT TO SUBGRADE AND EXCAVATION FOR BUILDING CONSTRUCTION
6. START BUILDING CONSTRUCTION
7. INSTALL SANITARY SEWER AND WATER MAIN
8. START INSTALLATION OF CURB AND GUTTER
9. STABILIZE DISTURBED AREAS NOT TO BE PAVED BY SEEDING AND MULCHING
10. START PAVING OF PARKING AREAS AND TRAVELWAY
11. DETERMINE AND FILL UP TRAP #2 AND CONSTRUCT INFILTRATION BASIN AND STABILIZE DISTURBED AREAS
12. REMOVE EARTH BERM AND INSTALL SILT FENCE WHERE NEEDED
13. GRADE SWALE NORTH OF PROPOSED BUILDING AND STABILIZE BY PERMANENT SEEDING DEWATER & FILL UP TRAP #1 AND REMOVE EARTH DIKE
14. COMPLETION OF REMAINING ACTIVITIES
15. REMOVE ALL REMAINING SEDIMENT CONTROL DEVICES, AND STABILIZE DISTURBED AREAS

POND CONSTRUCTION NOTES

- I. SITE PREPARATION**
- Areas designated for borrow areas, embankment, and structural works shall be cleared, grubbed and stripped of topsoil. All trees, vegetation, roots and other objectionable materials shall be removed. Channel banks and sharp breaks shall be sloped to no steeper than 1:1.
- Areas to be covered by the pond or reservoir will be cleared of all trees, brush, logs, fences, rubbish and other objectionable materials unless otherwise designated on the plans. Trees, brush and stumps shall be cut approximately level with the ground surface.
- All cleared and grubbed material shall be disposed of outside and below the limits of the dam and reservoir as directed by the owner or his representative. When specified, a sufficient quantity of topsoil will be stockpiled in a suitable location for use on the embankment and other designated areas.
- II. STABILIZATION**
- All borrow areas shall be graded to provide proper drainage and left in a slightly condition. All exposed surfaces of the embankment, spillway, spoil and borrow areas, and berms shall be stabilized by seeding, liming, fertilizing and mulching (if required) in accordance with the vegetative treatment specifications or as shown on the accompanying drawings.
- III. EROSION AND SEDIMENT CONTROL**
- Construction operations will be carried out in such a manner that erosion will be controlled and water and air pollution minimized. State and local laws concerning pollution abatement will be followed. Construction plans shall detail erosion and sediment control measures to be employed during the construction process.

I, the undersigned, certify that all development and/or construction will be done according to these plans, and that an responsible personnel involved in the construction project will have a Certificate of Attendance at a Department of the Environment Approved Training Program for the Control of Sediment and Erosion before commencing the project. I will provide the Howard Soil Conservation District with an "as-built" plan of the pond within 30 days of completion. I also authorize periodic on-site inspections by the Howard Soil Conservation District.

Brian M. Rafferty 8-22-89
Signature of Developer Date
Print name below signature
by the Engineer

"I certify that this plan for pond construction, erosion and sediment control represents a practical and workable plan based on my personal knowledge of the site conditions. This plan was prepared in accordance with the requirements of the Howard Soil Conservation District. I have notified the developer that he must provide the Howard Soil Conservation District with an "as-built" plan of the pond within 30 days of completion."

Philip Der 9/27/89
Signature of Engineer Date
Print name below signature
PHILIP DER
These plans have been reviewed for the Howard Soil Conservation District and meet the technical requirements for small pond construction, soil erosion and sediment control.

J. Helm 9/27/89
Signature of Engineer Date
Print name below signature
J. Helm
U.S. Soil Conservation Service
These plans for small pond construction, soil erosion and sediment control meet the requirements of the Howard Soil Conservation District.

Robert W. Ziehm 9/27/89
Signature of Engineer Date
Print name below signature
ROBERT W. ZIEHM
Howard Soil Conservation District
These plans for small pond construction, soil erosion and sediment control meet the requirements of the Howard Soil Conservation District.

STONE OUTLET SEDIMENT TRAP NO.1

DRAINAGE AREA-100 AC
VOLUME REQUIRED-1800+100-1800CF
VOLUME PROVIDED-1900CF
BOTTOM ELEV.-388.50
STONEWEIR CREST ELEV.-391.00
CLEANOUT ELEV.-389.50
STONE OUTLET LENGTH-6
EMBANKMENT ELEV.-392.00
DIMENSIONS OF STORAGE
BOTTOM-25 X 35
DEPTH-2

GENERAL REVISIONS (WBCM)		
DATE	NO.	REVISION
6/1/91	1	REVISED PER HO CO COMMENTS
5/10/89		

APPROVED FOR PUBLIC WATER AND SEWERAGE	
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS	
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS	
<i>James H. ...</i>	11/22/89

APPROVED FOR PUBLIC WATER AND PUBLIC SEWER SYSTEMS	
HOWARD COUNTY HEALTH DEPARTMENT	
<i>James M. ...</i>	11/29/89

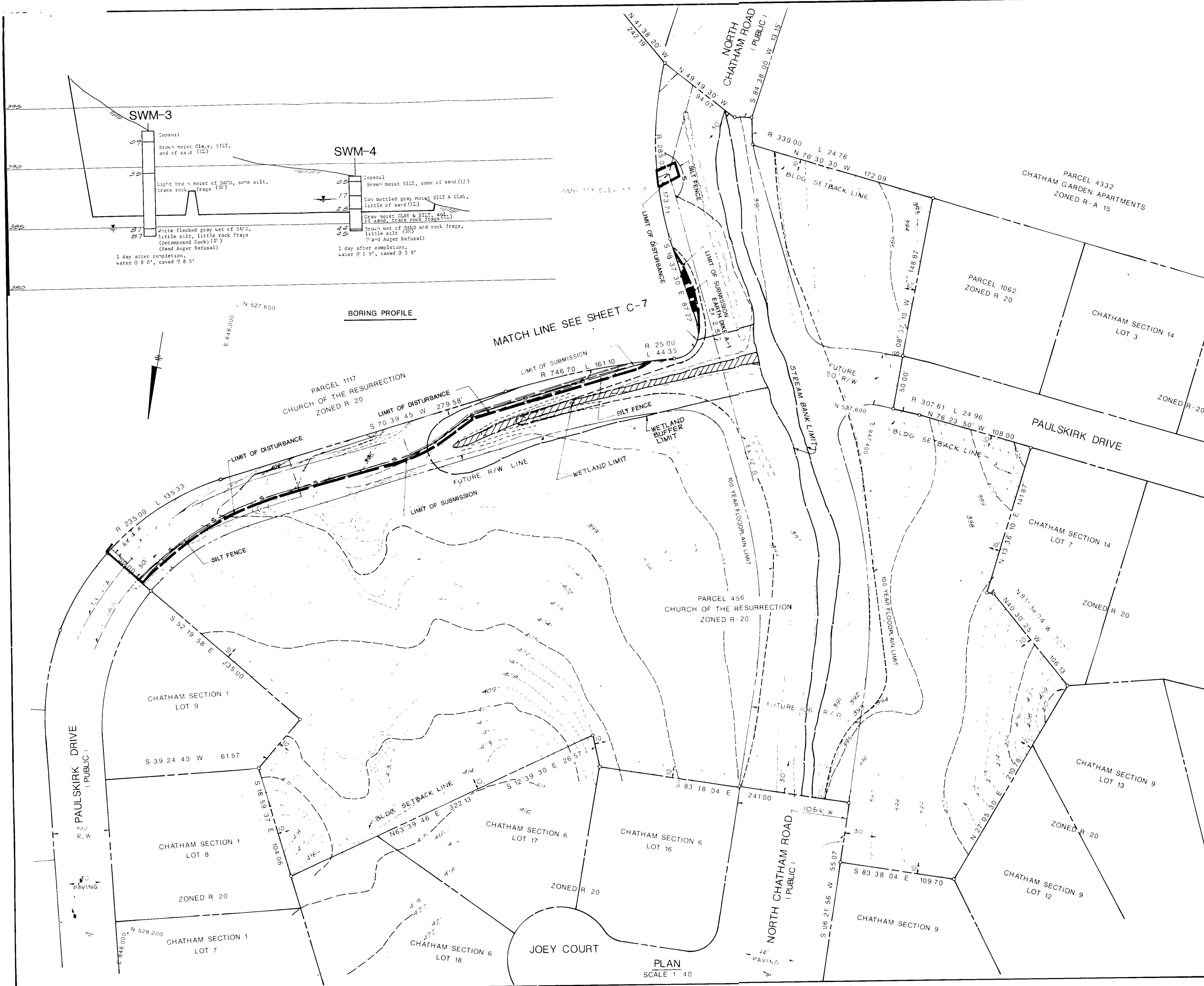
APPROVED HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING	
DIRECTOR	
<i>James H. ...</i>	12/6/89

OWNER: CHURCH OF THE RESURRECTION	
PAULSKIRK DRIVE & NORTH CHATHAM ROAD	
ELLICOTT CITY, MARYLAND 21043	
TEL: (301) 461-9111	
PROJECT: SCHOOL & CHAPEL/OFFICE BUILDING ADDITIONS	
CHURCH OF THE RESURRECTION	
SEDIMENT CONTROL PLAN	
2ND ELECTION DISTRICT	HOWARD COUNTY, MD
TAX MAP NO. 24	PARCEL 456, 1172, 4000
ENGINEERS: WHITNEY, BAILEY, COX & MAGNANI	
CONSULTING ENGINEERS	
1850 YORK ROAD	
TAMONIUM, MD 21083	
(301) 252-8060	

DESIGNED: A R	
DRAWN: GSB	
CHECKED: P D	
DATE: 10/13/88	
SCALE: 1" = 40'	
DRAWING NO: SHEET 7 OF 13	
C-7	
<i>James H. ...</i>	8/8/89

7-17-89

PLAN
SCALE 1"=40'



7-17-89

James M. Boyd and per John

11/22/89

James M. Boyd and per John

11/29/89

James M. Boyd and per John

12/6/89

James M. Boyd and per John

12/6/89

OWNER

CHURCH OF THE RESURRECTION

PAULSKIRK DRIVE & NORTH CHATHAM ROAD

ELLICOTT CITY, MARYLAND 21043

TEL (301) 461-9111

PROJECT

SCHOOL AND CHAPEL/OFFICE BUILDING ADDITIONS

CHURCH OF THE RESURRECTION

SEDIMENT CONTROL PLAN

2ND ELECTION DISTRICT

HOWARD COUNTY MD

TAX MAP NO 24

PARCEL 456, 1117 & 980

ENGINEERS

WHITNEY, BAILEY, COX & MAGNANI

CONSULTING ENGINEERS

1850 YORK ROAD

TIMONIUM, MD 21093

(301) 252-6060

DESIGNED

A R

DRAWN

GSB

CHECKED

P D

DATE

10/13/88

SCALE

1" = 40'

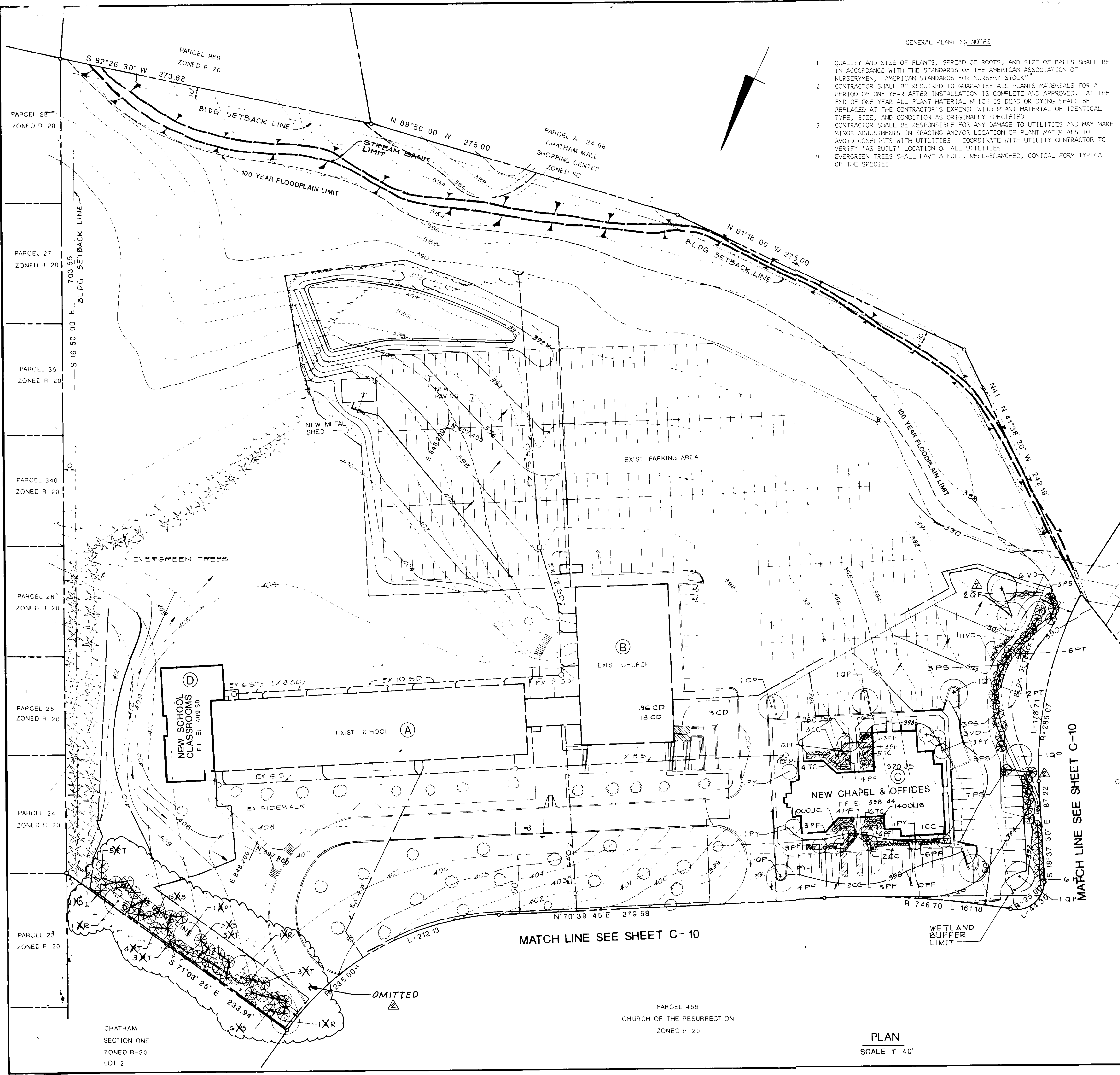
DRAWING NO

SHEET 8 OF 13

C-8

DATE

1/12/89



- GENERAL PLANTING NOTES
1. QUALITY AND SIZE OF PLANTS, SPREAD OF ROOTS, AND SIZE OF BALLS SHALL BE IN ACCORDANCE WITH THE STANDARDS OF THE AMERICAN ASSOCIATION OF NURSERYMEN, "AMERICAN STANDARDS FOR NURSERY STOCK"
 2. CONTRACTOR SHALL BE REQUIRED TO GUARANTEE ALL PLANTS MATERIALS FOR A PERIOD OF ONE YEAR AFTER INSTALLATION IS COMPLETE AND APPROVED. AT THE END OF ONE YEAR ALL PLANT MATERIAL WHICH IS DEAD OR DYING SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE WITH PLANT MATERIAL OF IDENTICAL TYPE, SIZE, AND CONDITION AS ORIGINALLY SPECIFIED
 3. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO UTILITIES AND MAY MAKE MINOR ADJUSTMENTS IN SPACING AND/OR LOCATION OF PLANT MATERIALS TO AVOID CONFLICTS WITH UTILITIES. COORDINATE WITH UTILITY CONTRACTOR TO VERIFY 'AS BUILT' LOCATION OF ALL UTILITIES
 4. EVERGREEN TREES SHALL HAVE A FULL, WELL-BRANCHED, CONICAL FORM TYPICAL OF THE SPECIES

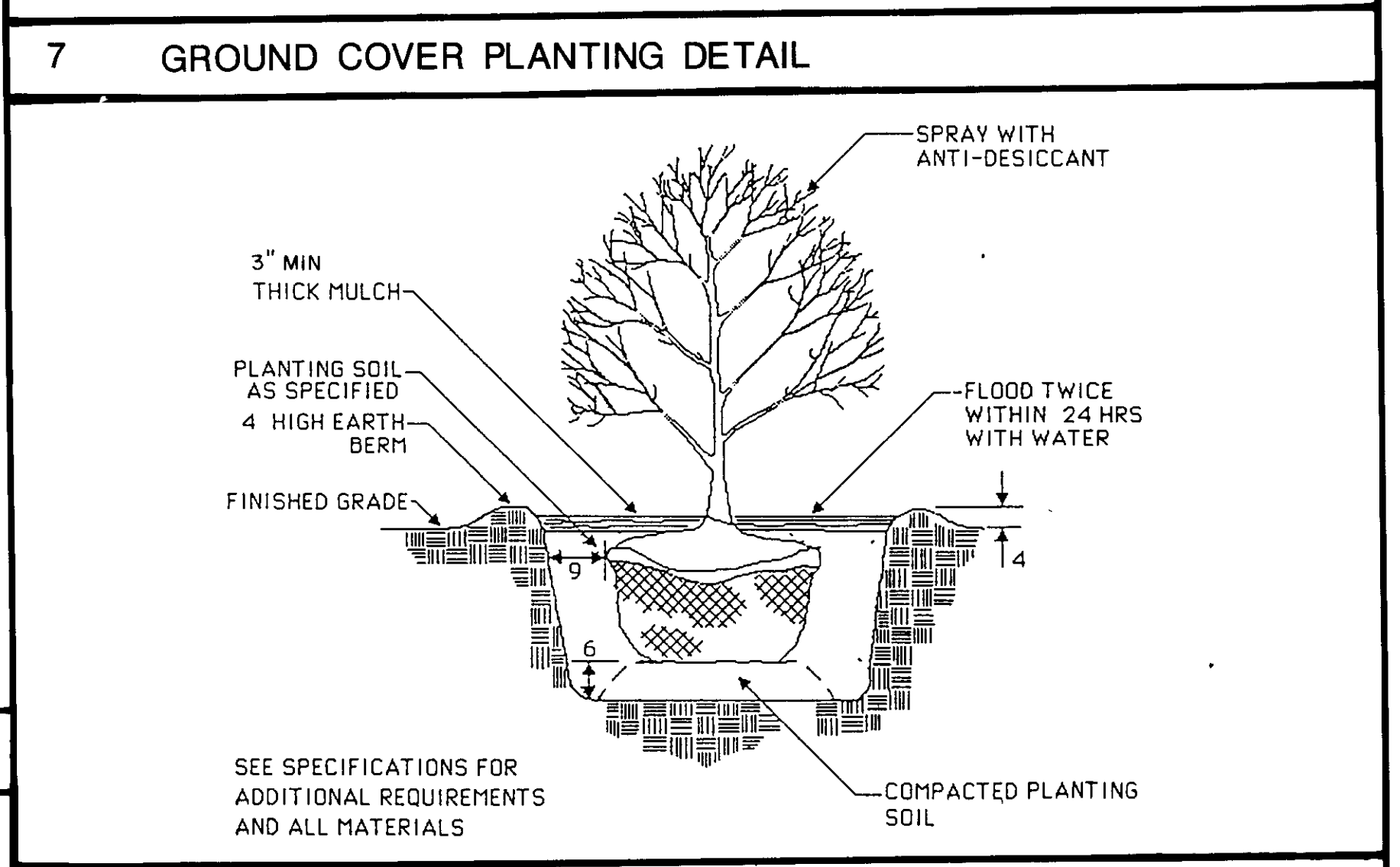
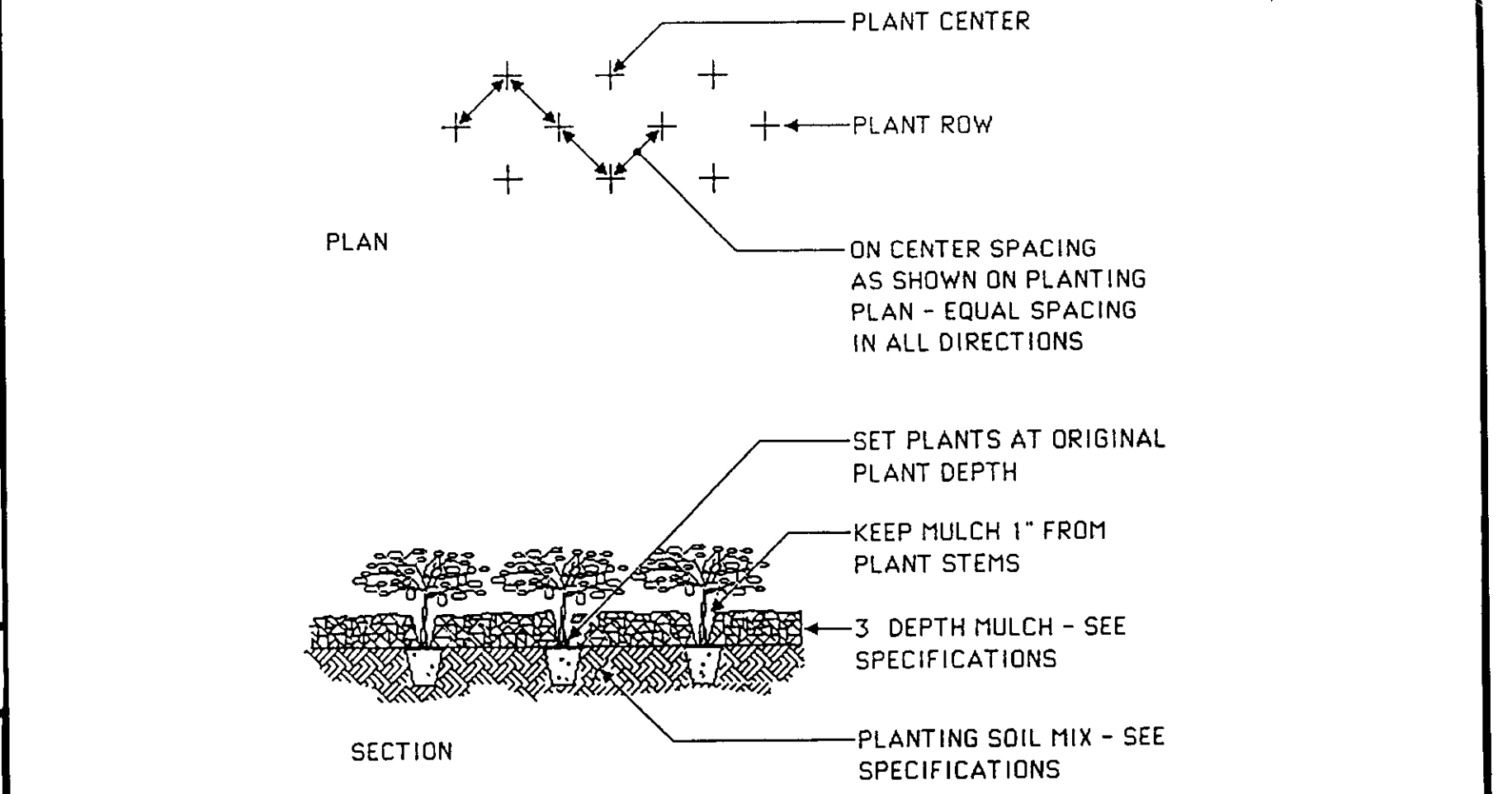
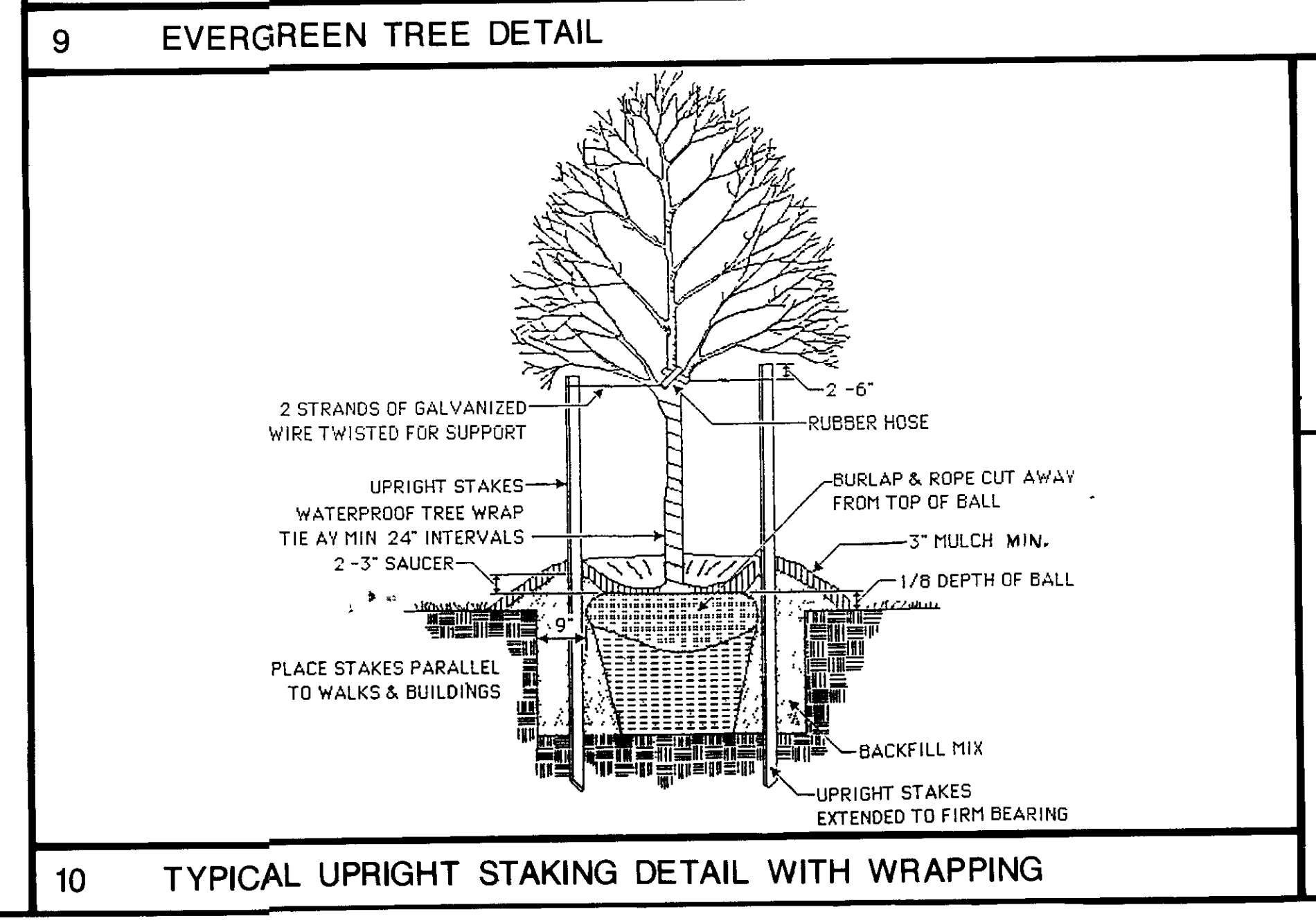
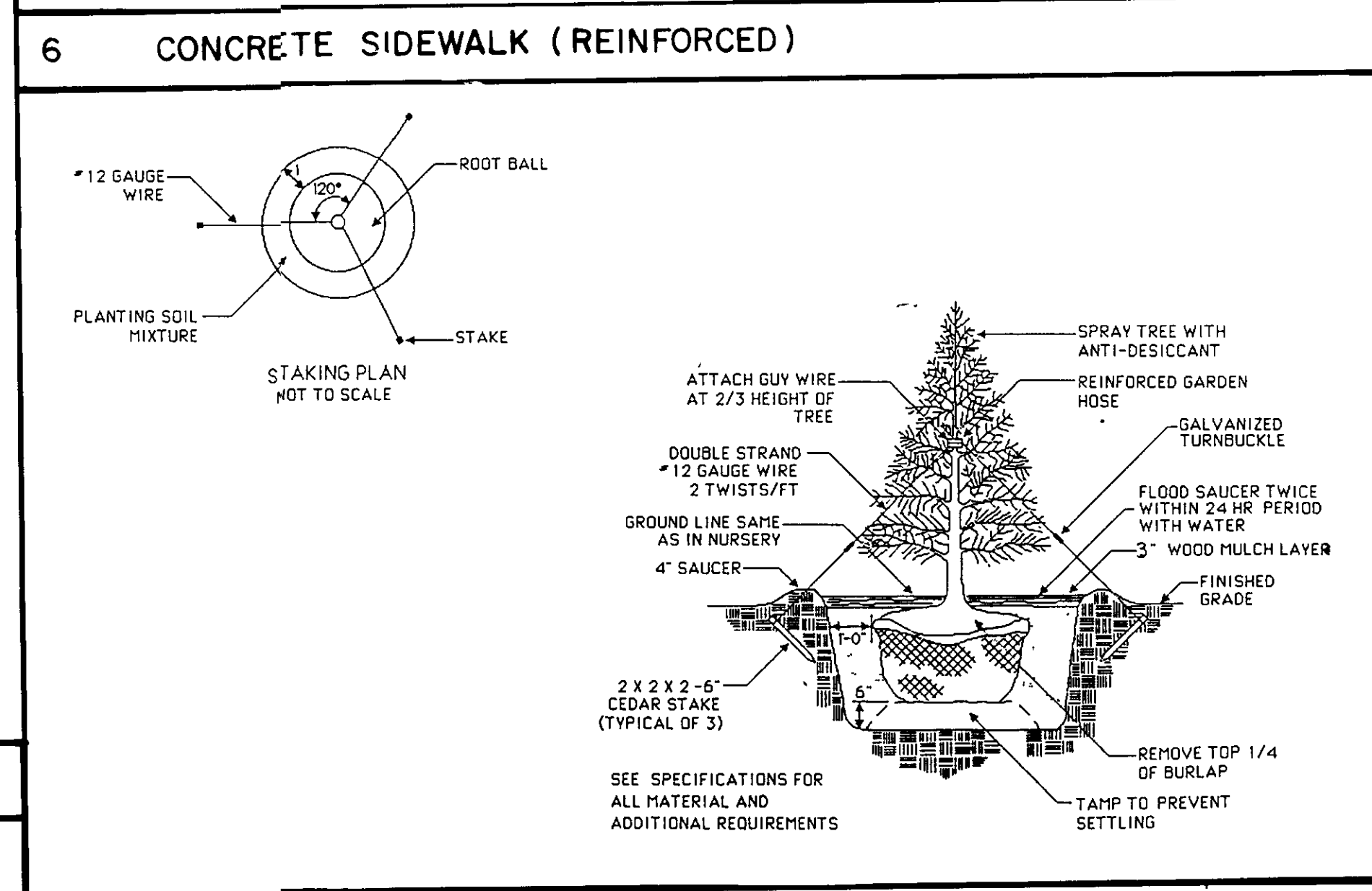
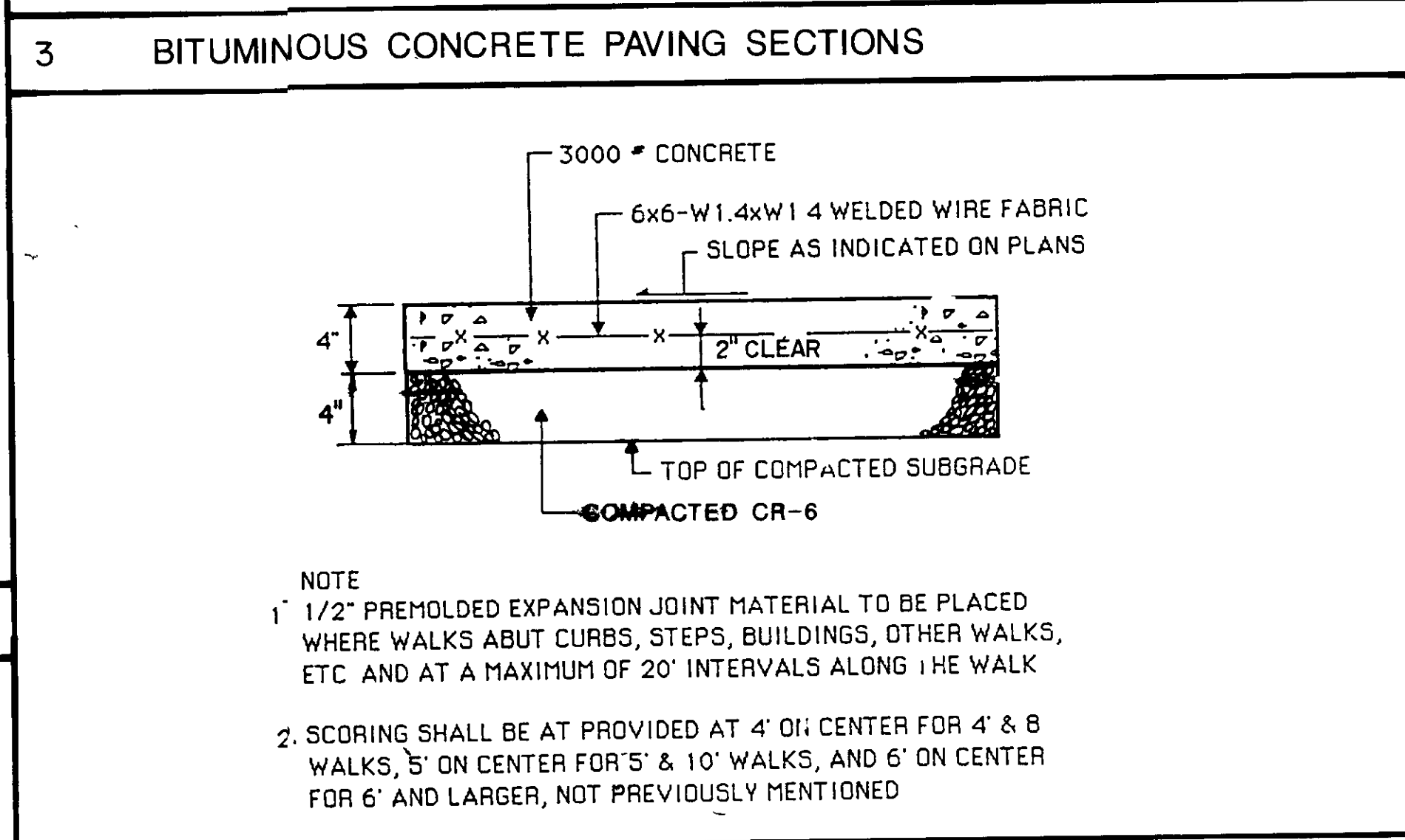
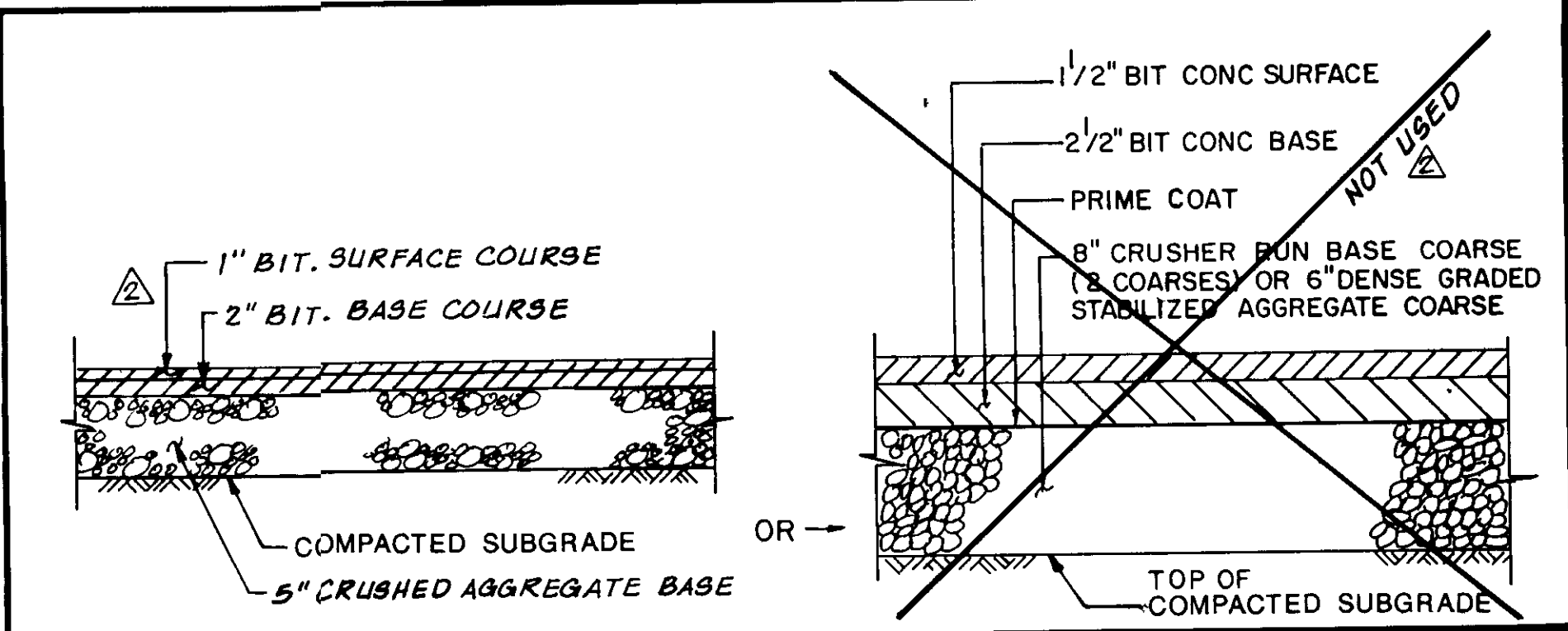
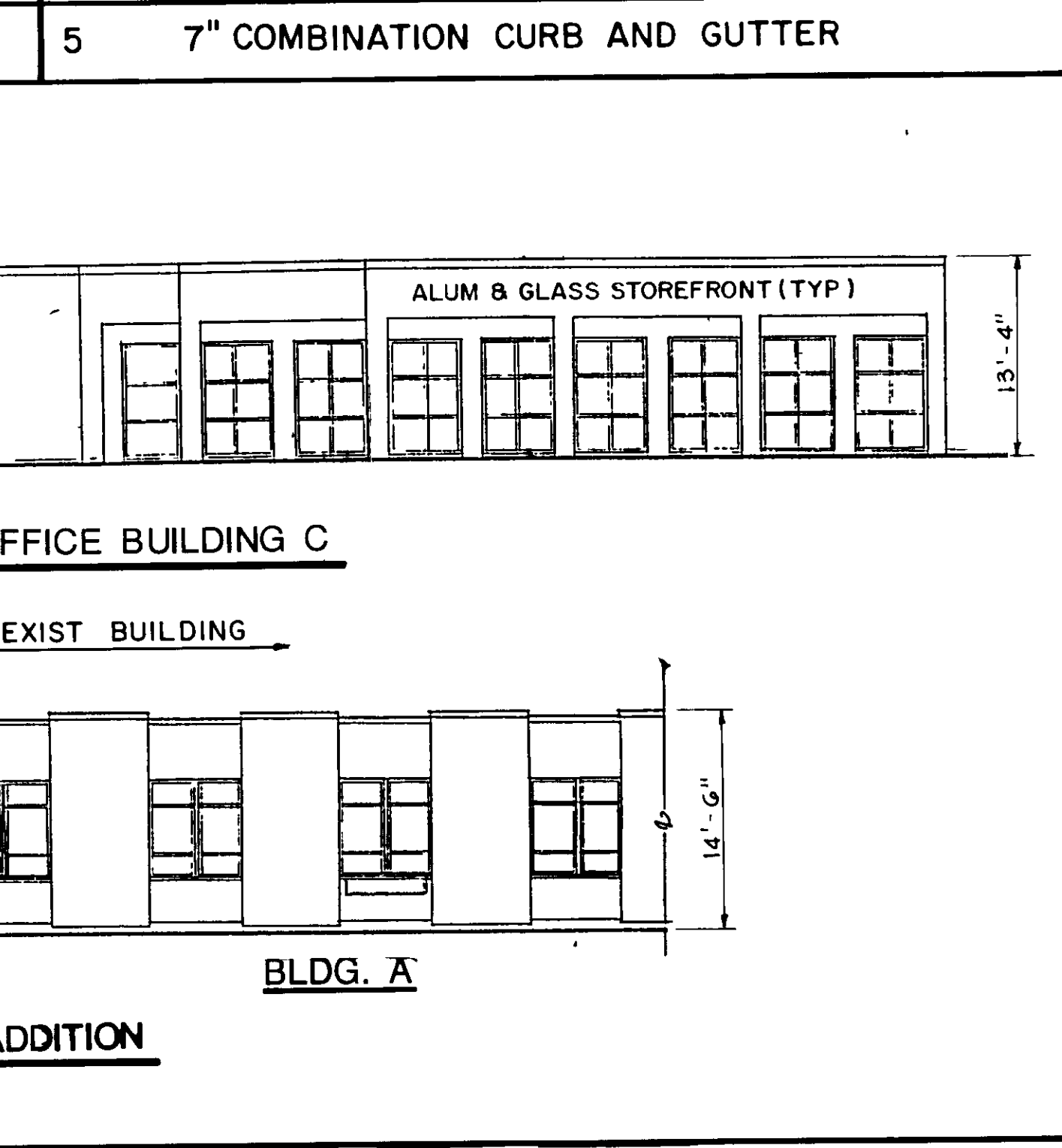
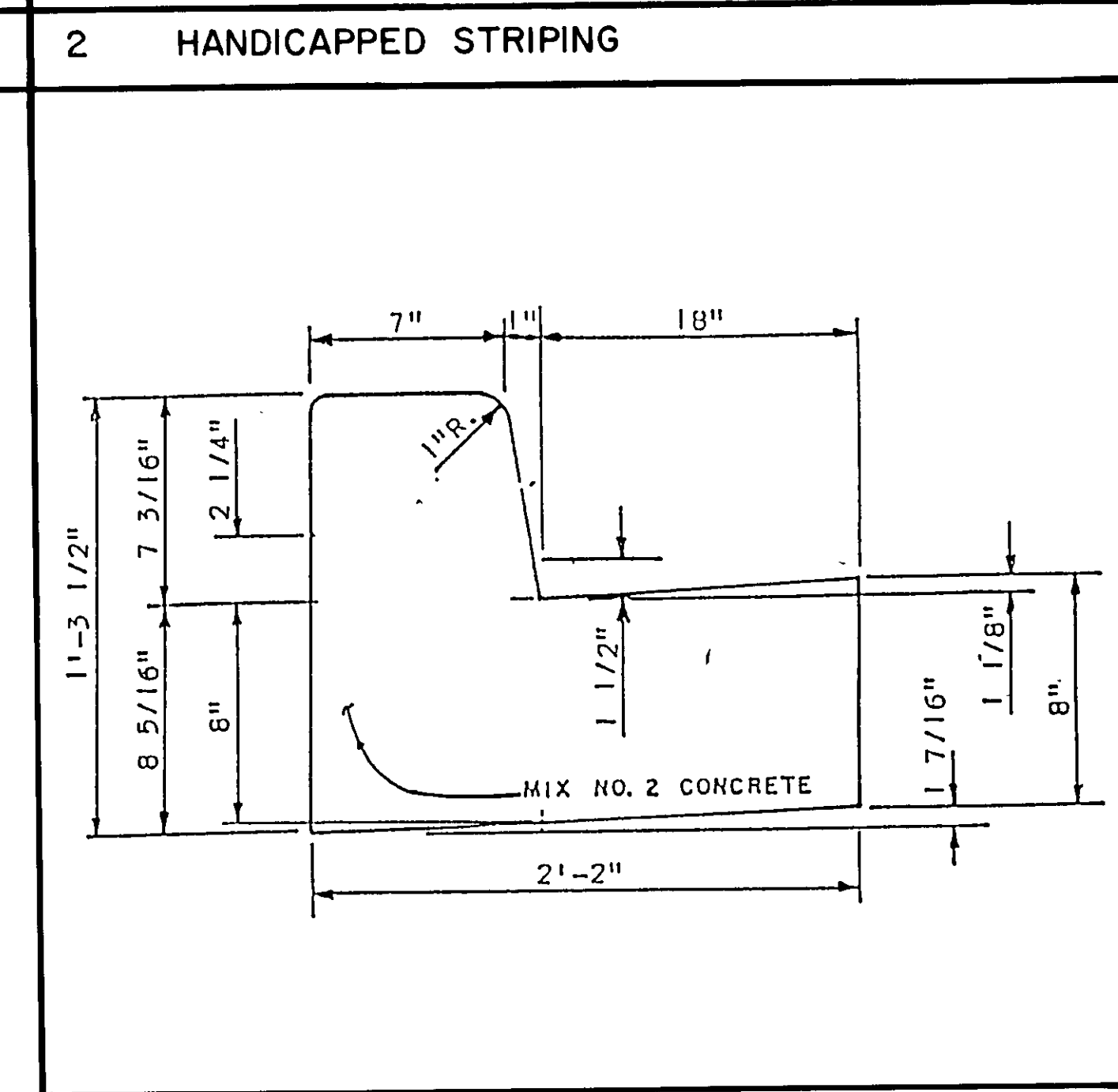
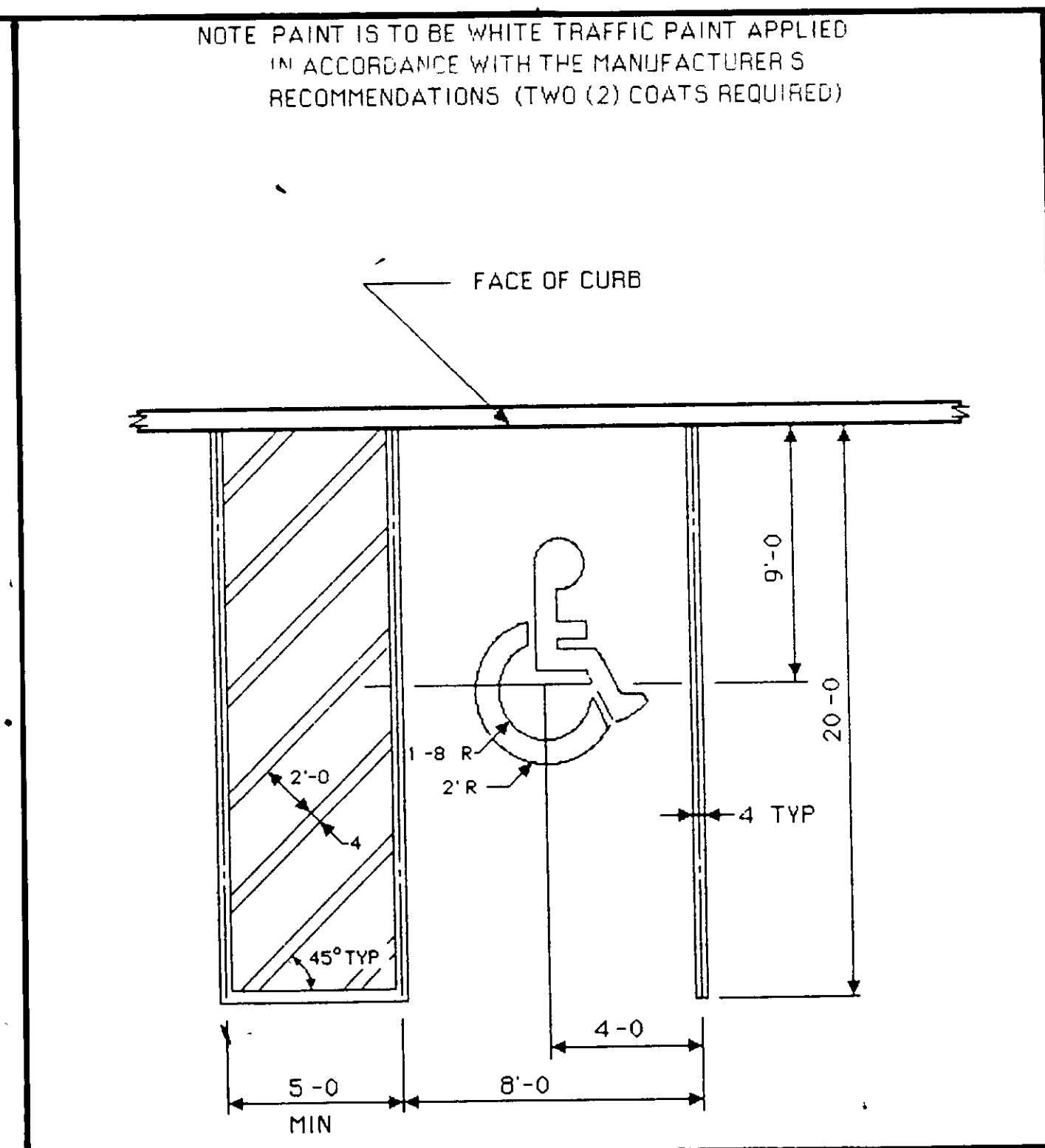
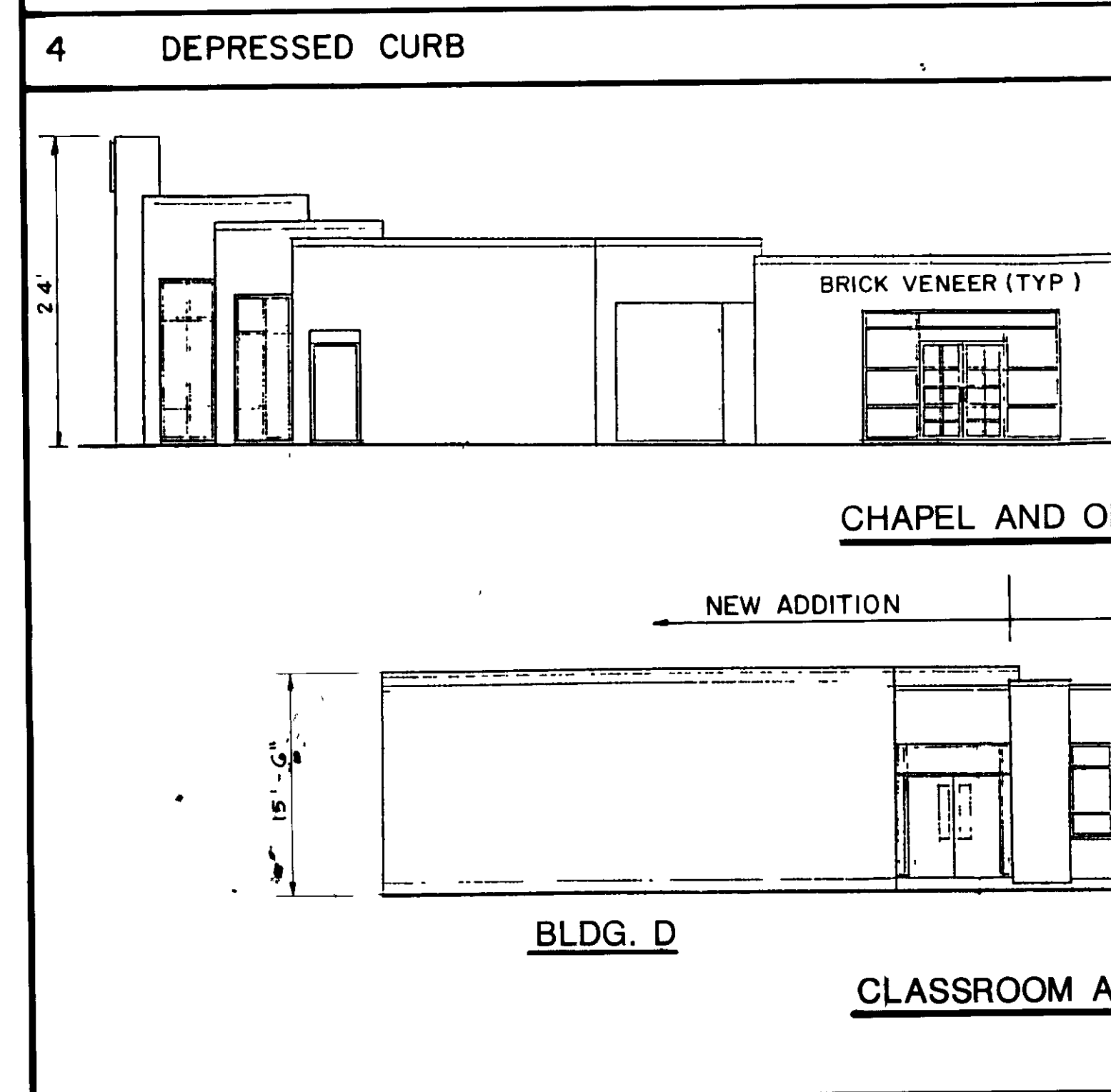
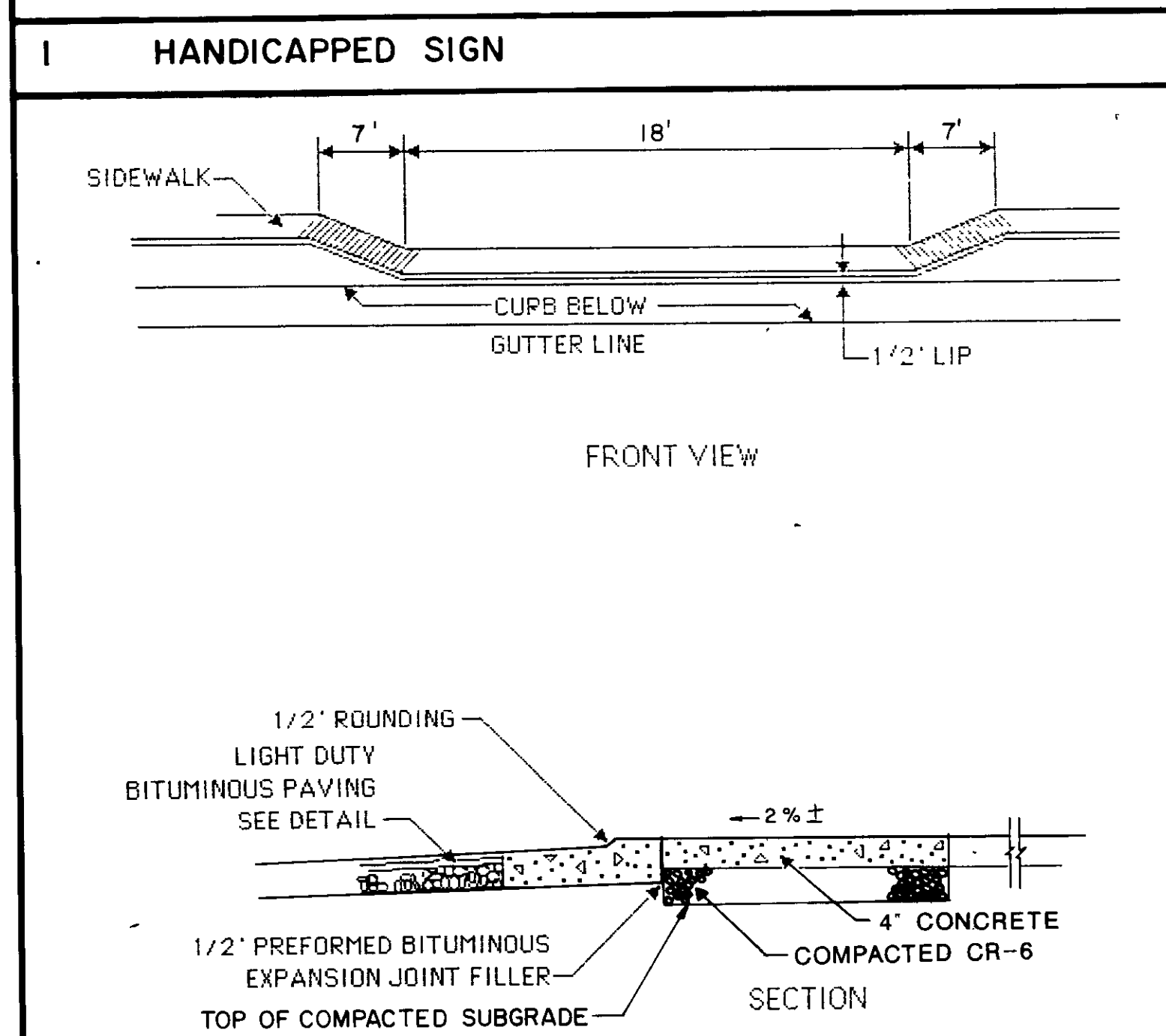
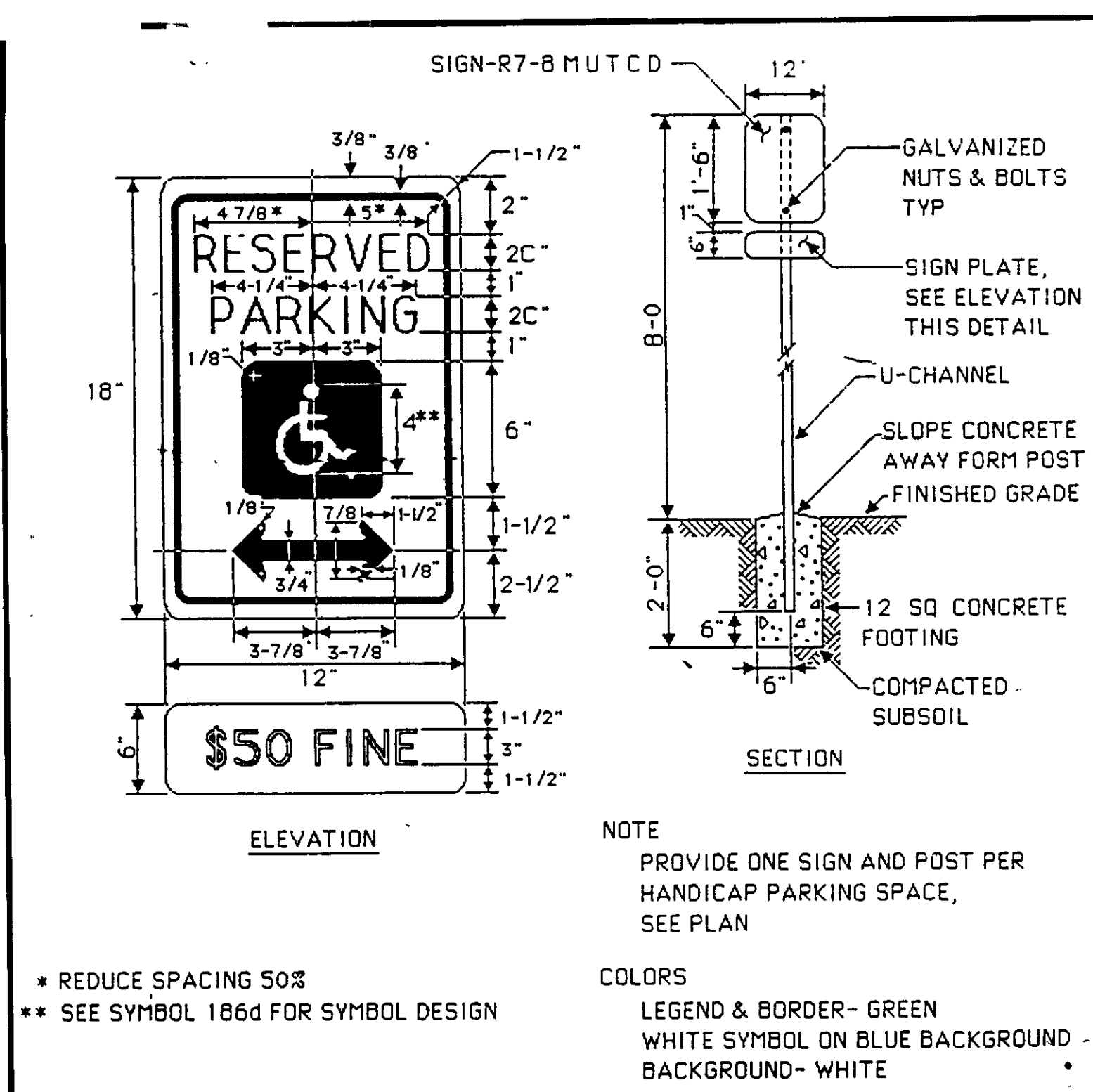
PLANT SCHEDULE					
KEY	QUAN	BOTANICAL NAME COMMON NAME	SIZE	COND	REMARKS
TREES:					
QP	9	QUERCUS PHELLOWS WILLOW OAK	2 1/2-3 CAL	B+B	*
AR	0	ACER RUBRUM OCTOBER GLORY OCTOBER GLORY RED MAPLE	2 1/2-3 CAL	B+B	
CC	8	CERCIS CANADENSIS EASTERN REDBUD	8-10'	B+B	HEAVY
PV	7	PRUNUS VEDDENSIS YOSHINO CHEERY	1 1/2-2 CAL	B&B	HEAVY
PT	13	PINUS THUNBERGIANA JAPANESE BLACK PINE	8-10	B+B	*
PS	19	PINUS STROBUS WHITE PINE	6-8'	B&B	*
VD	20	VIBURNUM DILATATUM LINDEN VIBURNUM	3-4'	B&B	
TC	50	TAXUS CUSPIDATA 'NANA' DWARF JAPANESE YEW	2-2 1/2'	B&B	
PF	61	POTENTILLA FRUITICOSA 'KATHERINE DYKES' BUSH CINQUEFOIL	12-18"	CONT	
JS	3670	PACHYSANDRA TERMINALIS JAPANESE SPURGE	4-6"	CONT	PLANT 3" O.C. STAGGERED
CD	67	COTONEASTER DAMMERI SKOOGHOLM CHRISTMAS CARPET COTONEASTER	15"-18"	CONT	PLANT 18" O.C. STAGGERED

* NOTE ALL PROPOSED TREES (PS, PT, & QP) ALONG NORTH CHATHAM ROAD (FUTURE) SHALL BE 2 1/2" MIN CALIPER SIZE

6/7/91	GENERAL REVISIONS (WBCM)	
5/10/89	REVISED PER HO CO COMMENTS	
DATE	NO	REVISION
APPROVED FOR PUBLIC WATER AND SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS		
DIRECTOR		11/22/89
CHIEF, BUREAU OF ENGINEERING		
APPROVED FOR PUBLIC WATER AND PUBLIC SEWER SYSTEMS HOWARD COUNTY HEALTH DEPARTMENT		
JAMES M. [Signature]		11/29/89
APPROVED HOWARD COUNTY DEPT. OF PLANNING AND ZONING		
[Signature]		12/6/89
OWNER "CHURCH OF THE RESURRECTION PAULSKIRK DRIVE & NORTH CHATHAM ROAD ELLICOTT CITY, MARYLAND 21043 TEL. (301) 461-9111		
PROJECT SCHOOL & CHAPEL/OFFICE BUILDING ADDITIONS CHURCH OF THE RESURRECTION LANDSCAPING PLAN		
2ND ELECTION DISTRICT HOWARD COUNTY, MD TAX MAP NO. 24 PARCEL 456, 1117 & 900		
ENGINEERS: WHITNEY, BAILEY, COX & MAGNANI CONSULTING ENGINEERS 1850 YORK ROAD TUMONUM, MD 21093 (301) 252-6060		
DESIGNED: A.R.		
DRAWN: GSB		
CHECKED: P.D.		
DATE: 10/13/88		
SCALE: 1" = 40'		
DRAWING NO. C-9		OF 13

7-17-89

PLAN
SCALE 1"=40'



GENERAL REVISIONS (WBCM)	
DATE	REVISION
6/7/91	REVISED PER HO CO COMMENTS
5/10/89	DATE: NO.
APPROVED FOR PUBLIC WATER AND SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS	
APPROVED FOR PUBLIC WATER AND PUBLIC SEWER SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT	
APPROVED HOWARD COUNTY DEPT OF PLANNING AND ZONING	
OWNER: CHURCH OF THE RESURRECTION, PAULSKIRK DRIVE & NORTH CHATHAM ROAD, ELLICOTT CITY, MARYLAND 21043, TEL. (301) 461-9111	
PROJECT: SCHOOL AND CHAPEL / OFFICE BUILDING ADDITIONS	
CHURCH OF THE RESURRECTION SITE DETAILS	
2ND ELECTION DISTRICT, TAX MAP NO. 24, HOWARD COUNTY, MD. PARCEL 456, 1117 & 980	
ENGINEERS: WHITNEY, BAILEY, COX & MAGNANI CONSULTING ENGINEERS, 1850 YORK ROAD, TIMONIUM, MD. 21093, (301) 252-6060	
DESIGNED: A.R.	DRAWN: G.G.
CHECKED: P.D.	DATE: 10/13/88
SCALE: NOT TO SCALE	DRAWING NO: SHEET 11 OF 13
DATE: 7-17-89	

Construction Specifications

The construction of all infiltration basins should comply with the criteria set forth in the Maryland SCS Standards and Specifications 378-Ponds dated July, 1981 or subsequent revisions and the additional criteria provided below.

Schedule

The sequence of various phases of basin construction shall be coordinated with the overall project construction schedule. A program should schedule

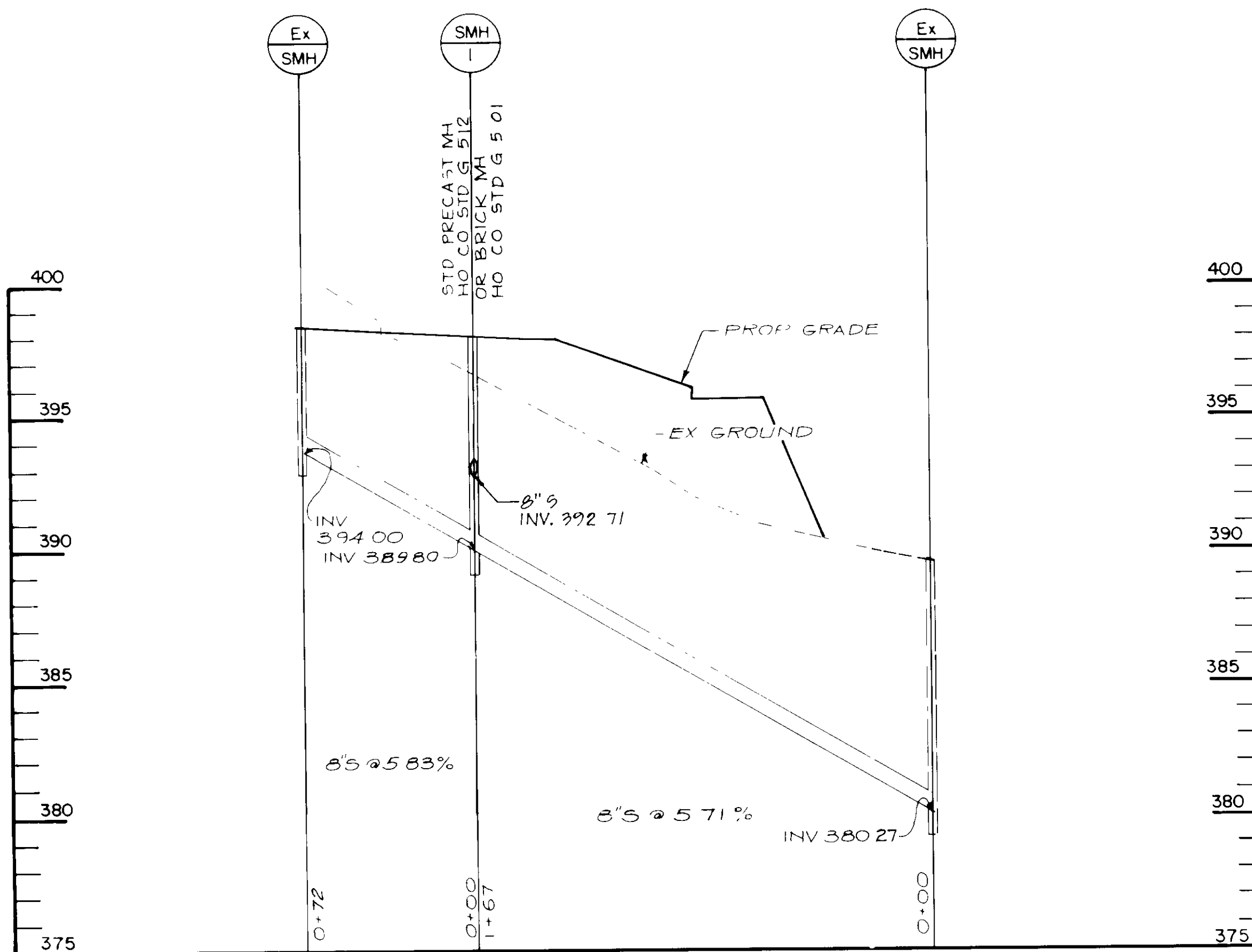
Excavation

Initial basin excavation should be carried to within 1 foot of the final elevation of the basin floor. Final excavation to the finished grade should be deferred until all disturbed areas on the watershed have been stabilized or protected. The final phase excavation should remove all accumulated sediment. Relatively light tracked equipment is recommended for this operation to avoid compaction of the basin floor. After the final grading is completed, the basin floor should be deeply tilled by means of rotary tillers or disc harrows to provide a well-aerated, highly porous surface texture.

Lining Material

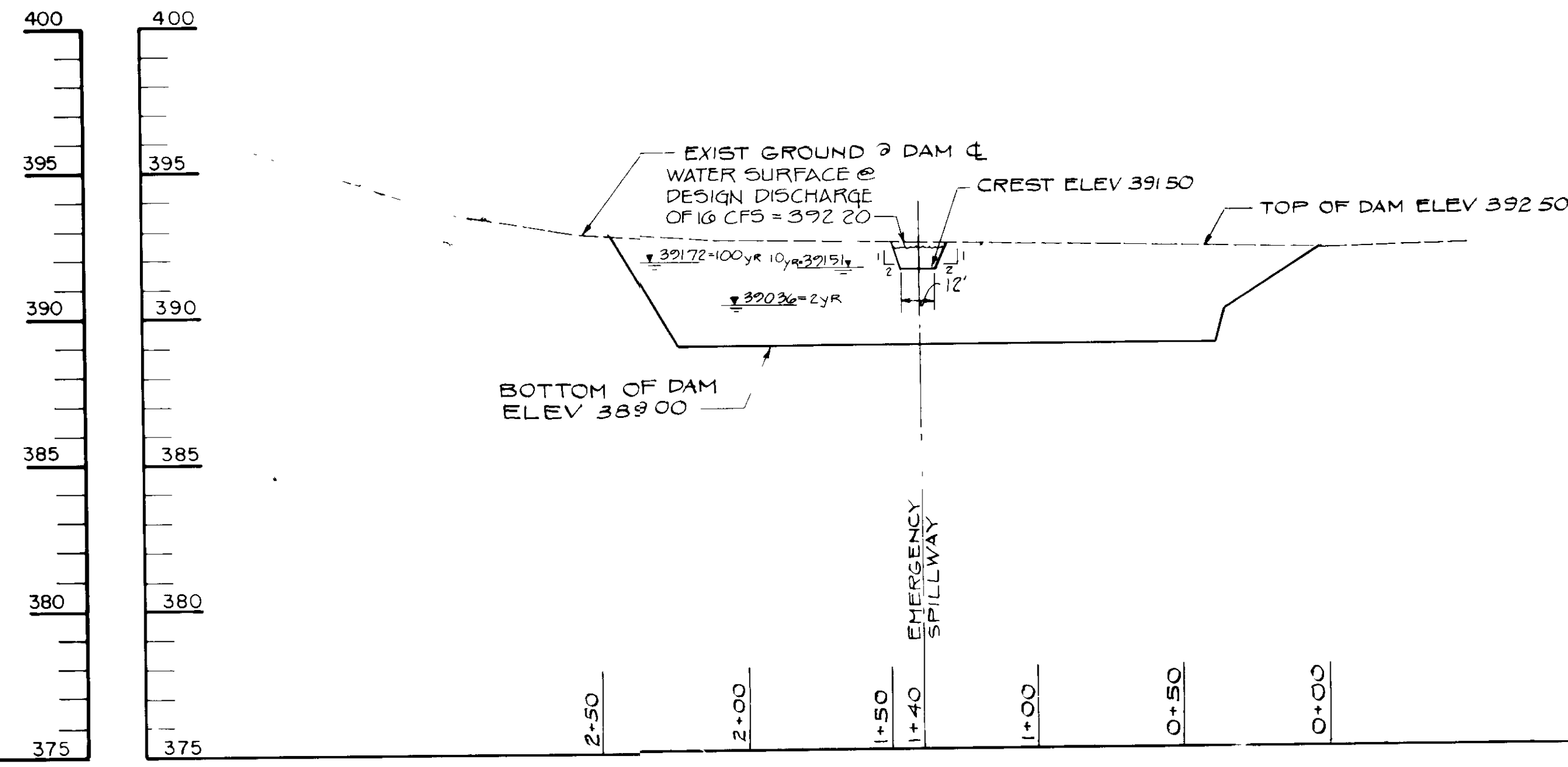
Establishing dense vegetation on the basin side slopes and floor is recommended. A dense vegetative stand will not only prevent erosion and sloughing, but will also provide a natural means of maintaining relatively high infiltration rates. Erosion protection of inflow points to the basin shall also be provided. Removal of accumulated sediment is a problem only at the basin floor. Little maintenance is normally required to maintain the infiltration capacity of slope areas.

Selection of suitable vegetative materials for the side slope and all other areas to be stabilized with vegetation and application of required fertilizer and mulches shall be done in accordance with the Maryland Standards and Specifications for Soil Erosion and Sediment Control. Local Extension Agencies should also be consulted.



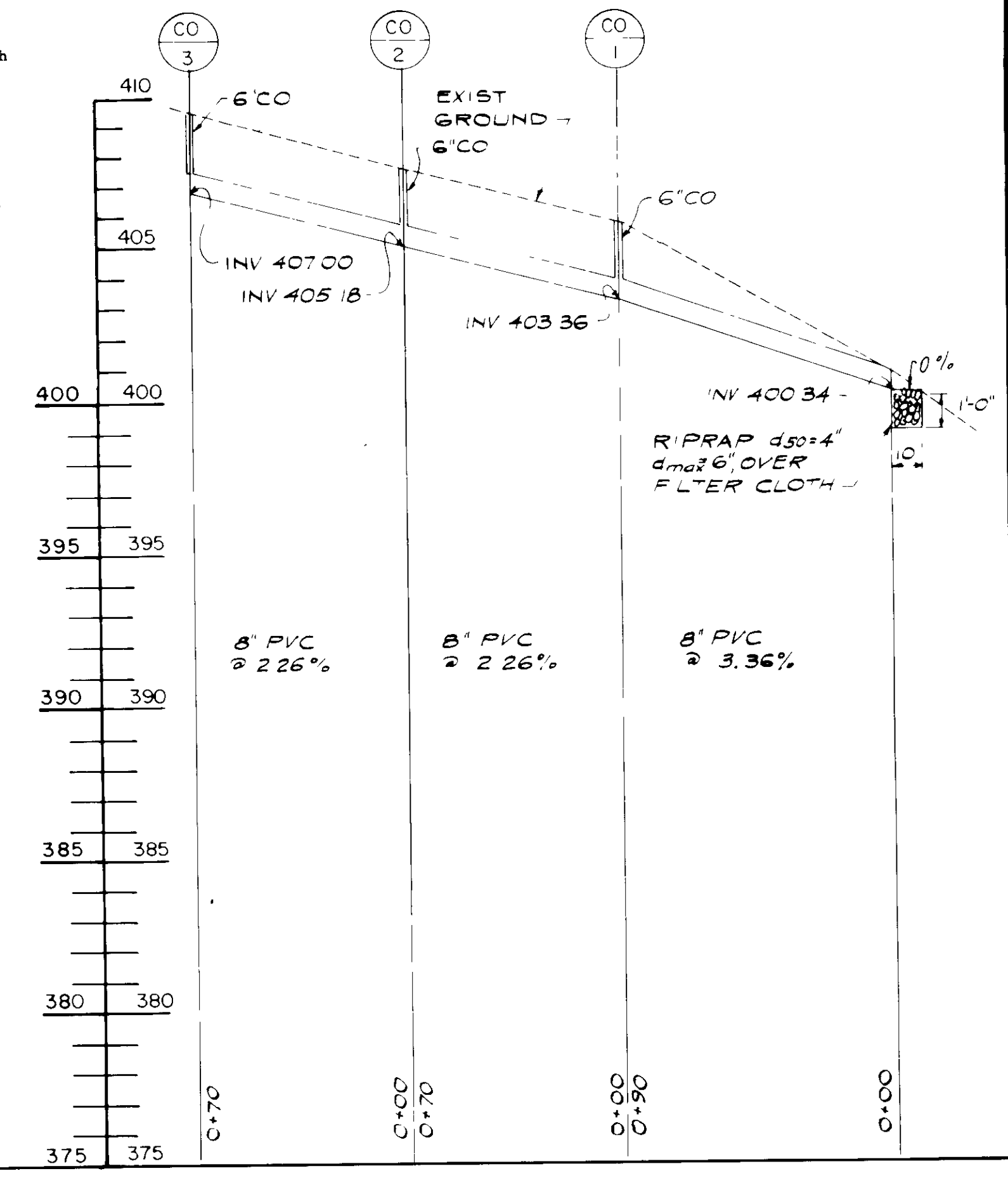
SANITARY SEWER PROFILE

SCALE HORZ 1"=40
VERT 1"=4



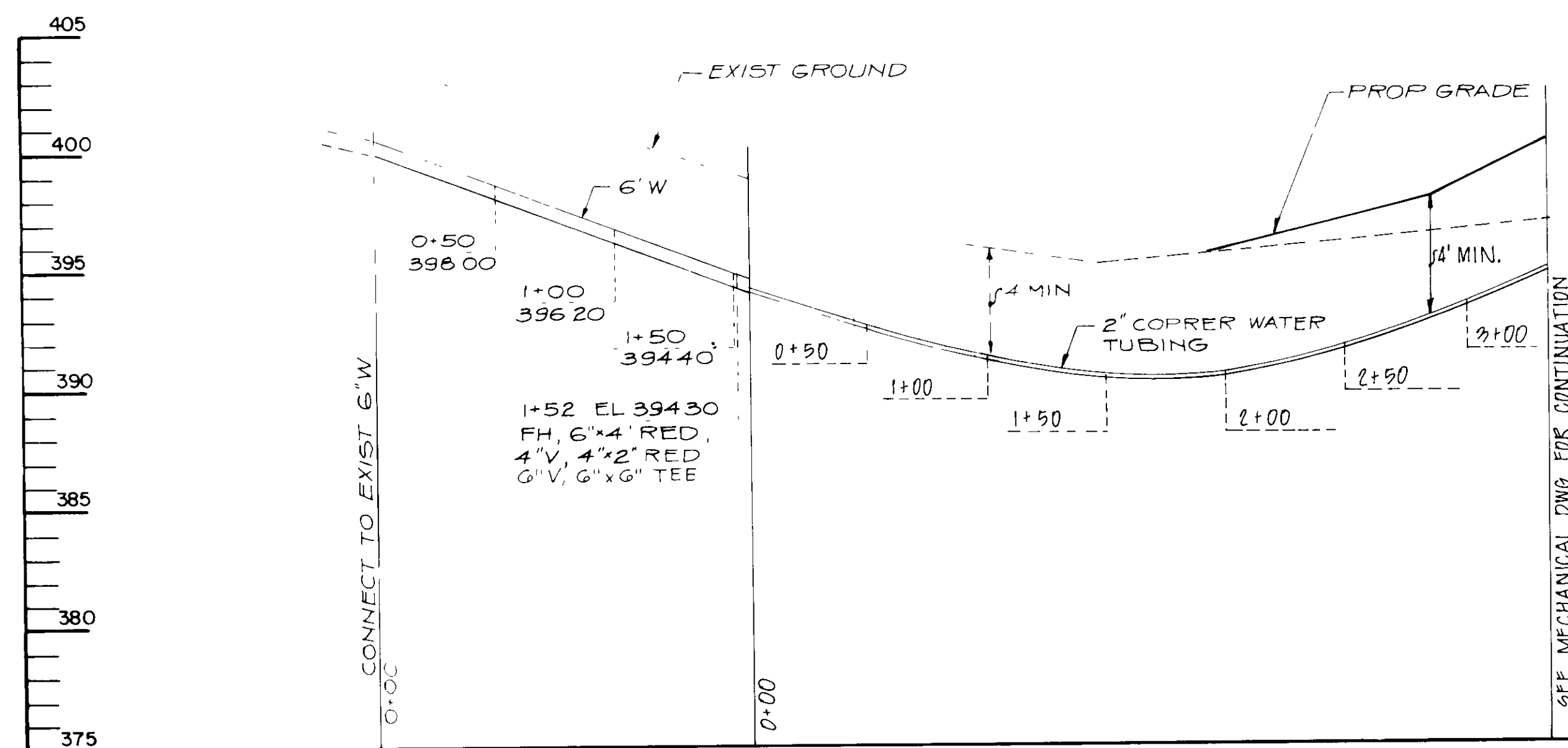
DAM PROFILE INFILTRATION BASIN

SCALE HORZ 1"=40
VERT 1"=4



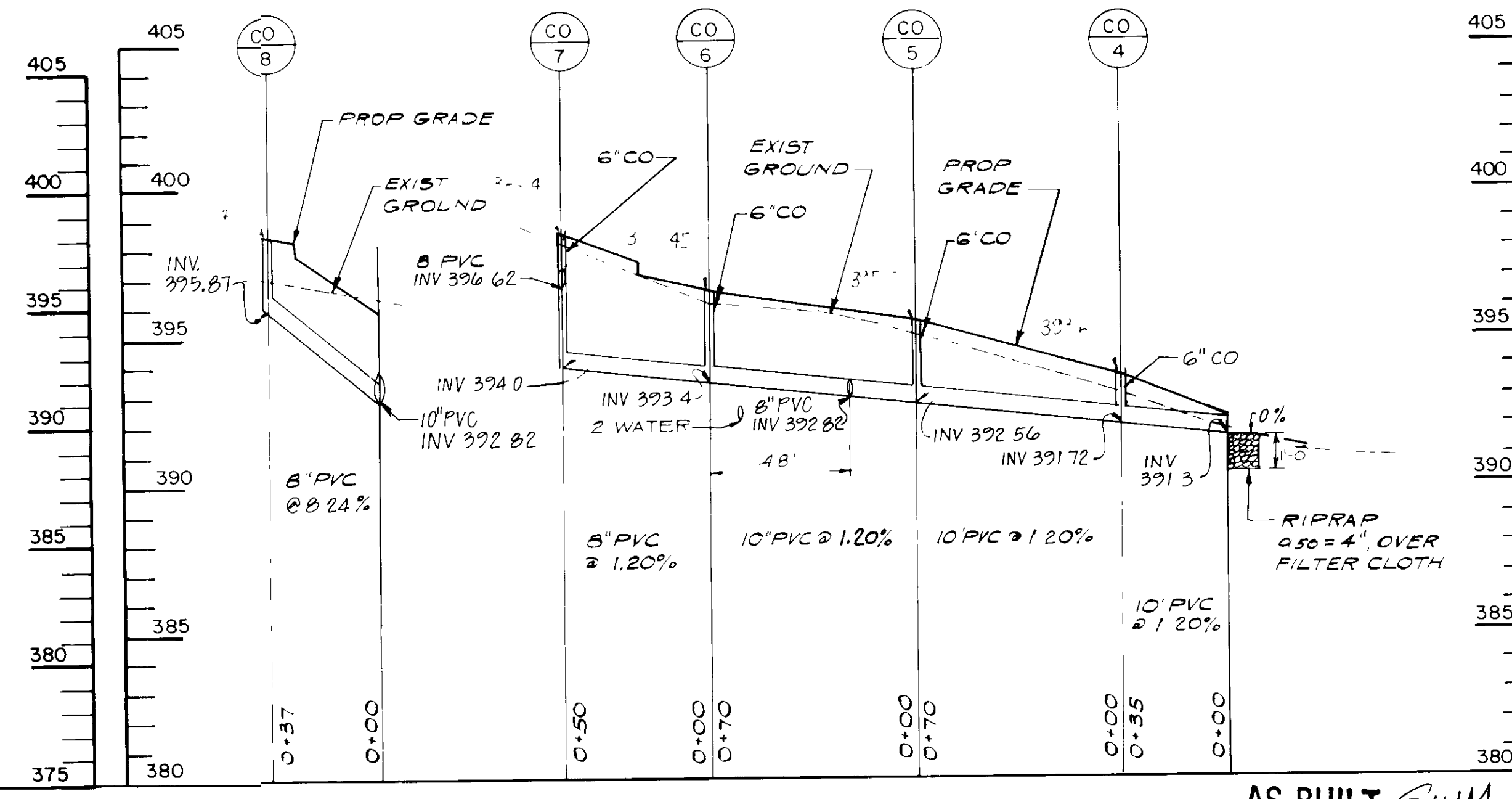
NEW SCHOOL ROOF LEADER PROFILE

SCALE HORZ 1"=40
VERT 1"=4



WATER MAIN PROFILE

SCALE HORZ 1"=50
VERT 1"=5



NEW CHAPEL/OFFICE ROOF LEADER PROFILE

SCALE HORZ 1"=40
VERT 1"=4

AS-BUILT SWM
7/16/96

5/10/89		REVISIONS PER HO CO COMMENTS	
DATE	NO	REVISION	DATE
5/10/89	1	APPROVED FOR PUBLIC WATER AND SEWAGE STORM DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS	11/22/89
5/10/89	2	APPROVED FOR PUBLIC WATER AND PUBLIC SEWER SYSTEMS HOWARD COUNTY HEALTH DEPARTMENT	11/29/89
5/10/89	3	APPROVED HOWARD COUNTY DEPT. OF PLANNING AND ZONING	12/6/89
5/10/89	4	APPROVED DIVISION OF COMMUNITY PLANNING AND DEVELOPMENT	1/4/90

OWNER CHURCH OF THE RESURRECTION
PAULSKIRK DRIVE & NORTH CHATHAM ROAD
ELLCOTT CITY, MARYLAND 21043
TEL. (301) 461-9111

PROJECT: SCHOOL AND CHAPEL/OFFICE BUILDING ADDITION

CHURCH OF THE RESURRECTION

PROFILES

2ND ELECTION DISTRICT HOWARD COUNTY, MD
TAX MAP NO. 24 PARCEL 456, 117 8 980

ENGINEERS WHITNEY, BAILEY, COX & MAGNANI
CONSULTING ENGINEERS
1850 YORK ROAD
TIMONIUM, MD 21093
(301) 252-6060

DESIGNED: A R
DRAWN: G G
CHECKED: P D
DATE: 10/13/88
SCALE AS SHOWN
DRAWING NO SHEET 12 OF 13
C-12

7-17-89
8/18/89

Maintenance

Inspection Schedule

Drainage systems must be inspected on a routine basis to ensure that they are functioning properly. Inspections can be on a semiannual basis but should always be conducted following major storms.

Sediment Control Effect on Vegetated Basins

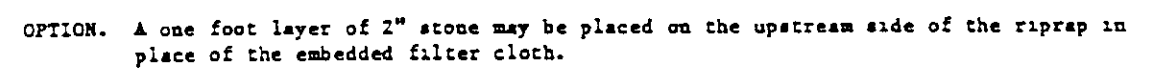
Cleanout frequency of infiltration basins will depend on whether they are vegetated or nonvegetated and will be a function of their storage capacity, recharge characteristics, volume of inflow, and sediment load. Infiltration basins should be inspected at least once a year. Sedimentation basins and traps may require more frequent inspection and cleanout.

Grass bottoms on infiltration basins seldom need replacement since grass serves as a good filter material. This is particularly true of Kentucky 31 Tall Fescue, which is extremely hardy and can withstand several days of submergence. If silty water is allowed to trickle through the turf, most of the suspended material is strained out within a few yards of surface travel. Well established turf on a basin floor will grow up through sediment deposits, forming a porous turf and preventing the formation of an impervious layer. Grass filtration would work well with long, narrow, shoulder-type (swales, ditches, etc.) depressions where highway runoff flows down a grassy slope between the roadway and the basin. Kentucky 31 Tall Fescue demands very little attention and looks attractive when trimmed. Grass planted on basin side slopes will also prevent erosion.

Side Slope Maintenance

(a) Purpose. To promote a dense turf with extensive root growth, thereby enhancing infiltration through the slope surface and prevent weeds from gradually taking over the slope areas.

(b) Frequency. Grasses of the fescue family are recommended for seeding primarily due to their adaptability to dry sandy soils, drought resistance, hardiness, and ability to withstand brief inundations. The use of fescues will also permit long intervals between mowings. This is important due to the relatively steep slopes which make mowing difficult. Mowing twice a year, once in June and again in September, is generally satisfactory. Refertilization with 10-6-4 ratio fertilizer at a rate of 500 lb per acre (1 lb per 1000 sq ft) may be required the second year after seeding.

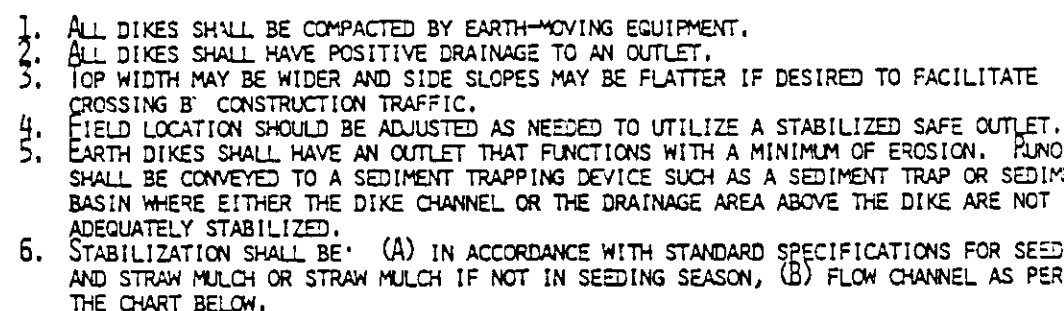


1. Area under embankment shall be cleared, grubbed and stripped of any vegetation and root mat. The soil area shall be cleared.
2. The fill material for the embankment shall be free of roots or other woody vegetation as well as any oversized material, organic material or other objectionable material. The embankment shall be compacted by traversing with equipment while it is being constructed.
3. All cut and fill slopes shall be 2:1 or flatter.
4. The stone used in the outlet shall be small riprap 4"-8" along with a 1" thickness of 2" aggregate placed on the upgrade side on the small riprap or embedded filter cloth in the riprap.
5. Sediment shall be removed and trap restored to its original dimensions when the sediment has accumulated to 1/4 the design depth of the trap.
6. The structure shall be inspected after each rain and repairs made as needed.
7. Construction operations shall be carried out in such a manner that erosion and water pollution is minimized.
8. The structure shall be removed and the area stabilized when the drainage area has been properly stabilized.



- | | | | |
|----|---|--------------------|---|
| 1. | MOVEN WIRE FENCE BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES. | POSTS. | STEEL EITHER T U TYPE OR 2" HARDWOOD |
| 2. | FILTER CLOTH TO BE FASTENED SECURELY TO MOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION. | FENCE | WOVEN WIRE, 3/4" GA. 4" MAX. MESH OPENING |
| 3. | WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED. | FILTER CLOTH | FILTER X-100 10' X 10' STAB- LINKA 1/4" OR APPROVED EQUAL |
| 4. | MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN BULKY DEVELOPS. | PREFABRICATED UNIT | GEOFAB, DIVIRFENCE, OR APPROVED EQUAL |

2 SILT FENCE



FLOW CHANNEL STABILIZATION			
TYPE OF TREATMENT	CHANNEL COVER	DIKE A	DIKE B
1	1.5-3.0M	SEED AND STRAW MULCH	SEED AND STRAW MULCH
2	3.1-5.0M	SEED AND STRAW MULCH	SEED USING JUTE, OR EXCELSIOR, SOD, 2" STONE
3	5.1-8.0M	SEED WITH JUTE, OR SOD, 2" STONE	LINED RIP-RAP 4-8"
4	8.1-20M	LINED RIP-RAP 4-8"	ENGINEERING DESIGN

- A. STONE TO BE 2 INCH STONE, OR RECYCLED CONCRETE EQUIVALENT, IN A LAYER AT LEAST 3 INCHES IN THICKNESS AND BE PRESSED INTO THE SOIL WITH CONSTRUCTION EQUIPMENT.
 - B. RIF-TO BE 4-8 INCHES IN A LAYER AT LEAST 8 INCHES THICKNESS AND PRESSED INTO THE SOIL.
 - C. APPROVED EQUIVALENTS CAN BE SUBSTITUTED FOR ANY OF THE ABOVE MATERIALS.
7. PERIODIC INSPECTION AND REQUIRED MAINTENANCE MUST BE PROVIDED AFTER EACH RAIN EVENT.



1. Stone Size - Use #2 stone, or reclaimed or recycled concrete equivalent.
2. Length - As required, but not less than 50 feet (except on a single residence lot where a 30 foot minimum length would apply).
3. Thickness - Not less than six (6) inches.
4. Width - Ten (10) foot minimum, but not less than the full width at points where inlets or aprons are required.
5. Filter Cloth - Will be placed over the entire area prior to placing of stone. Filter will not be required on a single family residence lot.
6. Surface Water - All surface water flowing or diverted toward construction entrances shall be piped across the entrance. If piping is impracticable, the stone bed may be 10 to 15 slopes wide.
7. Maintenance - The entrance shall be maintained in a condition which will prevent tracking or flowing of sediment onto public rights-of-way. This may require periodic top dressing with additional stone as conditions demand and repair and/or cleanup of any measures used to trap sediment. All sediment spilled, dropped, washed or tracked onto public rights-of-way must be removed and land cleaned.
8. Washing - Wheels shall be cleaned to remove sediment prior to entrance onto public rights-of-way. When washing is required, it shall be done on an area stabilized with stone and which drains into an approved sediment trapping device.
9. Periodic inspection and needed maintenance shall be provided after each rain.

4 STABILIZED CONSTRUCTION ENTRANCE

PERMANENT SEEDING NOTES

Apply to graded or cleared areas not subject to immediate further disturbance where a permanent long-lived vegetative cover is needed.

Seedbed Preparation Loosen upper three inches of soil by raking, disking or other acceptable means before seeding.. if not previously loosened

Soil Amendments: In lieu of soil test recommendations, use one of the following schedules:

- 1) Preferred - Apply 2 tons per acre dolomitic limestone (92 lbs/1000 square ft) and 600 lbs per acre 10-10-10 fertilizer (14 lbs/1000 sq ft) before seeding. Harrow or disc into upper three inches of soil. At time of seeding, apply 400 lbs per acre 30-0-0 ureaform fertilizer (9 lbs/1000 sq ft).
- 2) Acceptable - Apply 2 tons per acre dolomitic limestone (92 lbs/1000 sq ft) and 1000 lbs per acre 10-10-10 fertilizer (23 lbs/1000 sq ft) before seeding. Harrow or disc into upper three inches of soil.

Seeding - For the periods March 1 thru April 30, and August 1 thru October 15, seed with 60 lbs per acre (1.4 lbs/1000 sq ft) of Kentucky 31 Tall Fescue. For the period May 1 thru July 31, seed with 60 lbs Kentucky 31 Tall Fescue per acre and 2 lbs per acre (.05 lbs/1000 sq ft) of weeping lovegrass. During the period of October 16 thru February 28, protect site by Option (1) 2 tons per acre of well anchored straw mulch and seed as soon as possible in the spring. Option (2) Use sod. Option (3) Seed with 60 lbs/acre Kentucky 31 Tall Fescue and mulch with 2 tons/acre well anchored straw.

Mulching - Apply 1½ to 2 tons per acre (70 to 90 lbs/1000 sq ft) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using ruler anchoring tool or 218 gallons per acre (5 gal/1000 sq ft) of emulsified asphalt on flat areas. On slopes 8 feet or higher, use 348 gallons per acre (8 gal/1000 sq ft) for anchoring.

Maintenance - Inspect all seeded areas and make needed repairs, replacements and reseedings.

TEMPORARY SEEDING NOTES

Apply to graded or cleared areas likely to be redisturbed where a short-term vegetative cover is needed.

Seedbed Preparation: Loosen upper three inches of soil by raking, disking or other acceptable means before seeding, if not previously loosened

Soil Amendments: Apply 600 lbs per acre 10-10-10 fertilizer (14 lbs/1000 sq ft)

Seeding: For periods March 1 thru April 30 and from August 15 thru November 15, seed with 2½ bushel per acre of annual rye (3.2 lbs/1000 sq ft). For the period May 1 thru August 14, seed with 3 lbs per acre of weeping lovegrass (.07 lbs/1000 sq ft). For the period November 16 thru February 28, protect site by applying 2 tons per acre of well anchored straw mulch and seed as soon as possible in the spring, or use sod.

Mulching. Apply 1½ to 2 tons per acre (70 to 90 lbs/1000 sq ft) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gal per acre (5 gal/1000 sq ft) of emulsified asphalt on flat areas. On slopes, 8 ft or higher, use 348 gal per acre (8 gal/1000 sq ft) for anchoring.

Refer to the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for rate and methods not covered.

SFDIMENT CONTROL NOTES

- 1) A minimum of 24 hours notice must be given to the Howard County Office of Inspection and Permits prior to the start of any construction (992-2437)
- 2) All vegetative and structural practices are to be installed according to the provisions of this plan and are to be in conformance with the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL
- 3) Following initial soil disturbance or redistribution, permanent or temporary stabilization shall be completed within.
 - a) 7 calendar days for all perimeter sediment control structures, dikes, perimeter slopes and all slopes greater than 3:1,
 - b) 14 days as to all other disturbed or graded areas on the project site.
- 4) All sediment traps/basins shown must be fenced and warning signs posted around their perimeter in accordance with Vol. 1, Chapter 12, of the HOWARD COUNTY DESIGN MANUAL, Storm Drainage.
- 5) All disturbed areas must be stabilized within the time period specified above in accordance with the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for permanent seedings (Sec. 51) sod (Sec. 54), temporary seeding (Sec. 50) and mulching (Sec. 52). Temporary stabilization with mulch alone can only be done when recommended seeding dates do not allow for proper germination and establishment of grasses.
- 6) All sediment control structures are to remain in place and are to be maintained in operative condition until permission for their removal has been obtained from the Howard County Sediment Control Inspector
- * 7) Site Analysis.

Total Area of Site	25.26 Acres
Area Disturbed	11.66 Acres
Area to be roofed or paved	1.10 Acres
Area to be vegetatively stabilized	10.56 Acres
Total Cut	500 Cu. Yds.
Total Fill	4700 Cu. Yds.
Office waste/borrow area location	NOT KNOWN

8) Any sediment control practice which is disturbed by grading activity for placement of utilities must be repaired on the same day of disturbance.

9) Additional sediment controls must be provided, if deemed necessary by the Howard County DPW sediment control inspector

10) On all sites with disturbed areas in excess of 2 acres, approval of the inspection agency shall be requested upon completion of installation of perimeter erosion and sediment controls, but before proceeding with any other earth disturbance or grading. Other building or grading inspection approvals may not be authorized until this initial approval by the inspection agency is made.

11) On all sites with disturbed areas in excess of 2 acres, approval of the inspection agency shall be requested upon completion of installation of perimeter erosion and sediment controls, but before proceeding with any other earth disturbance or grading. Other building or grading inspection approvals may not be authorized until this initial approval by the inspection agency is made.

* The information shown for Howard County only and not to be used for bidding purposes by the contractor

BY THE DEVELOPER.

"I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ONSITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT"

BY THE ENGINEER.

"I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD COUNTY SOIL CONSERVATION DISTRICT "

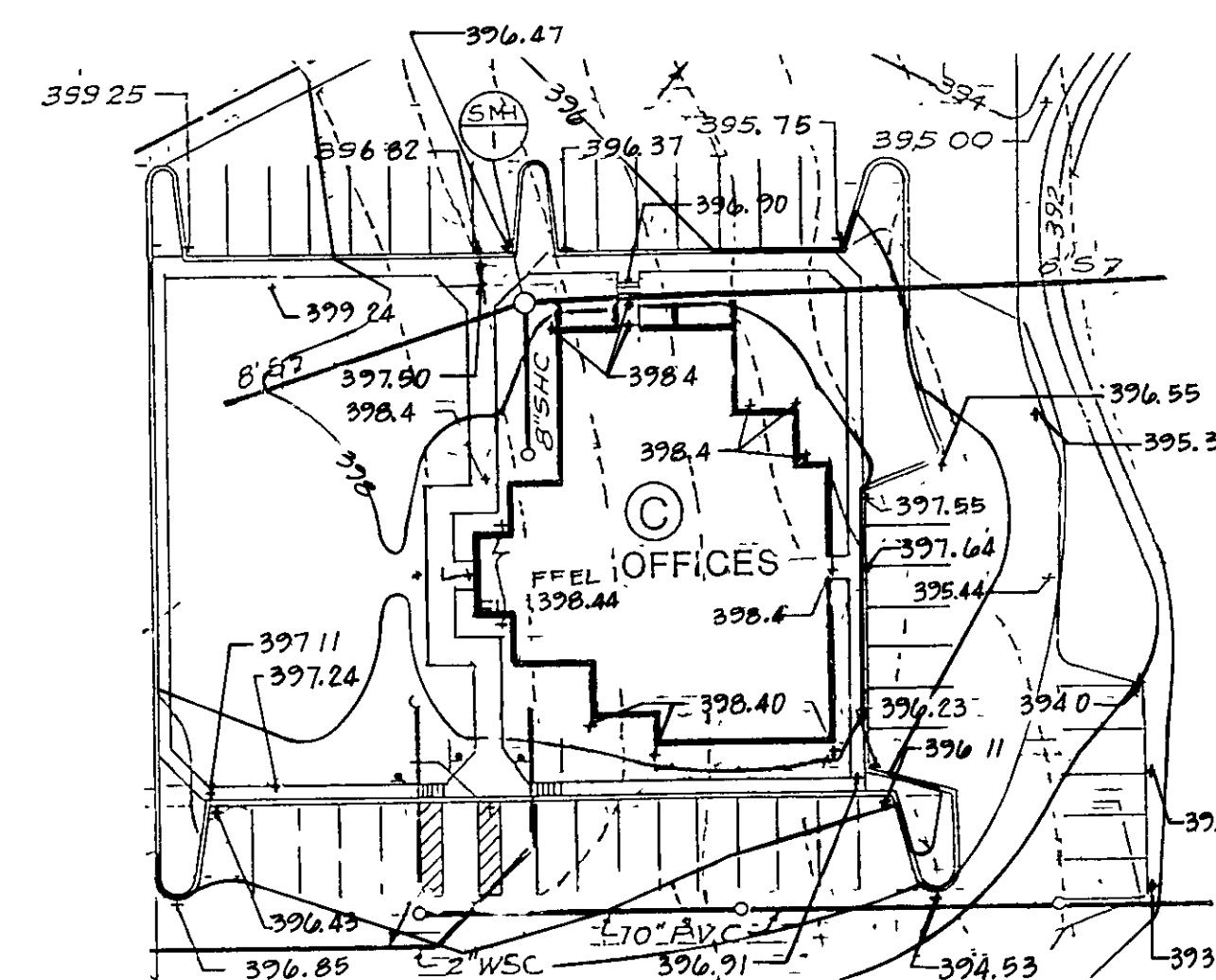
Philip Der
SIGNATURE OF ENGINEER
PHILIP DER

REVIEWED FOR S.C D. AND MEETS TECHNICAL REQUIREMENTS.

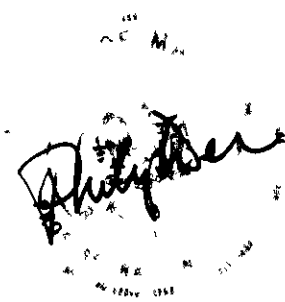
U.S. SOIL CONSERVATION SERVICE

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.

Robert W. Zich
HOWARD S.C.D.



PLAN
BASE BID FOR BUILDING

5/10/89	REVISED PER HO CO COMMENTS	
DATE	NO	REVISION
APPROVED FOR PUBLIC WATER AND SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS		
Director James P. Smith		11/22/89 DATE
Chief, Bureau of Engineering E. Ray		11-20-89 DATE
APPROVED FOR PUBLIC WATER AND PUBLIC SEWER SYSTEMS		
HOWARD COUNTY HEALTH DEPARTMENT		
County Health Officer Joyce M. Boyland per JSM		11/29/89 DATE
APPROVED HOWARD COUNTY DEPT OF PLANNING AND ZONING		
Director James Smith		12/6/89 DATE
Chief, Division of Community Planning and Development David S. Zupple		
OWNER CHURCH OF THE RESURRECTION PAULSKIRK DRIVE & NORTH CHATHAM ROAD ELLCOTT CITY, MARYLAND 21043 TEL. (301) 461-9111		
PROJECT: CHURCH AND CHAPEL / OFFICE BUILDING		
CHURCH OF THE RESURRECTION SEDIMENT CONTROL DETAILS		
2ND ELECTION DISTRICT TAX MAP NO 24		HOWARD COUNTY, MD PARCEL 456, 1117 & 990
ENGINEERS WHITNEY, BAILEY, COX & MAGNANI CONSULTING ENGINEERS 1850 YORK ROAD TIMONIUM, MD. 21093 (301) 252-6060		
		DESIGNED: J A R DRAWN: GSB CHECKED: P D DATE: 10/13/88 SCALE: NOT TO SCALE DRAWING NO: SHEET 13 OF 13 C-13

7-17-89

SDP-89-76